# AD-A162 499



AFGL-TR-85-0129

A Global Reference Atmosphere From 18 to 80 km

**GERALD VANN GROVES** 



31 May 1985





Approved for public release; distribution unlimited.



OTTIC FILE COPY



ATMOSPHERIC SCIENCES DIVISION PROJECT 6670

AIR FORCE GEOPHYSICS LABORATORY

HANSCOM AFR MA 01731

85 12 9 019

This technical report has been reviewed and is approved for publication.

K. S. W. CHAMPION

Senior Scientist

Atmospheric Sciences Division

Clarkin

FOR THE COMMANDER

Atmospheric Sciences Division

This report has been reviewed by the ESD Public Affairs Office (PA) and is releasable to the National Technical Information Service (NTIS).

Qualified requestors may obtain additional copies from the Defense Technical Information Center. All others should apply to the National Technical Information Service.

If your address has changed, or if you wish to be removed from the mailing list, or if the addresses is no longer employed by your organization, please notify AFGL/DAA, Hanscom AFB, MA 01731. This will assist us in maintaining a current mailing list.

Unclassified

SECURITY	CLASSIFICATION OF	THIS PAGE
----------	-------------------	-----------

	DEPORT DOCUM	NTATION DAG	-		
	REPORT DOCUME				
1a. REPORT SECURITY CLASSIFICATION Unclassified		16. RESTRICTIVE M			
28. SECURITY CLASSIFICATION AUTHORITY		3. DISTRIBUTION/A			
2b. DECLASSIFICATION/DOWNGRADING SCHED		• • •	oved for p tribution t	ublic releas	se;
, 28. DECEMBER FOR TOWN DOWN GRANDING SCHOOL	,011	l dis	ti ibution (	animited.	
A PERFORMING ORGANIZATION REPORT NUM AFGL-TR-85-0129 AFSG, No. 448	BER(S)	5. MONITORING OR	GANIZATION R	EPORT NUMBER	5)
6a. NAME OF PERFORMING ORGANIZATION	Sb. OFFICE SYMBOL	7a. NAME OF MONIT	TORING ORGAN	IZATION	-
Air Force Geophysics	(If applicable)				
Laboratory  6c. ADDRESS (City, State and ZIP Code)	LY				
		7b. ADDRESS (City,	State and ZIP Cod	ie)	I
Hanscom AFB					
Massachusetts 01731		ļ			
8a. NAME OF FUNDING/SPONSORING ORGANIZATION	8b. OFFICE SYMBOL (If applicable)	9. PROCUREMENT I	NSTRUMENT ID	ENTIFICATION N	UMBER
Sc. ADDRESS (City, State and ZIP Code)	L	10. SOURCE OF FUN	IDING NOS	<del></del>	
at. Aboneso (city, state and 217 code)		PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.	WORK UNIT
		62101F	6670	667018	66701001
	lobal Reference	021016	8010	901019	66701801
Atmosphere From 18 to 80 kg	<u> </u>			1	
Gerald Vann	Groves				
134 TYPE OF REPORT 136, TIME C	OVERED	14. DATE OF REPOR		15. PAGE C	OUNT
Scientific, Interim. FROM	то	1985 May			28
, Emerit	us Professor o esearch Associ	f Physics, Un ate 29 Octobe	iversity o r 1984 to	f London, E 28 February	England, 7 1985
17. CÓSATI CODES	Reference a	ontinue on reverse if ne	cessary and ident	ify by block number	ri
FIELD GROUP SUB. GR.	Temperatur	tmosphere			
	Pressure:	<b>.e</b> . ∂-		atosphere ' sosphere (	
19. ASSTRACT (Continue on reverse if necessary and			· We	sosphere (	
Monthly means of zon pressure scale height, and 80 km and latitudes from 8 which these quantities may variations of temperature, intervals for September to S hemisphere at latitudes Formulae by which the ten are presented. The zonal geopotential height based creference atmosphere base COSPAR Meeting, Graz 19 atmospheres, CIRA 1972 atmospheres, CIRA 1972 atmospheres, CIRA 1972 atmospheres.	al mean temper digeostrophic W 30°S to 80°N w be computed a pressure and April in the N 20°, 30°,, aperature, presson Nimbus 5 SC and on rocketson 84 and on two end Air Force R	ature, pression at the first and first at 10% at the first are the first are the first are the first and first and Nimbus de data that we arlier N hem	tabulated at tude interview of the sa sity variate ulations of 6 PMR and the sa sity cre both prospheres	at heights freal. Formulean longitu 30 longitu o November me range octions may be temperatu a Shemi orepared forcket-based (1978). The	om 18 to clae by dinal de r in the f heights. e computed re and sphere r the
	LI DTIC USEAS L.				
22. NAME OF RESPONSIBLE INDIVIDUAL		22b. TELEPHONE NU		22c OFFICE SYM	BOL
K.S.W. Champion		(617) 861-303		AFGL/	LY
DD FORM 1473 83 APR	EDITION OF A JAN 23 II			Incloseified	

Unclassified	
SECURITY CLASSIFICATION OF THIS PAGE	
19. (Contd)  longitudinal variations are deri Comparisons are made between the satellite-based tabulations	ived solely from the satellite-based tabulations.  n the rocket-based reference atmospheres, and the reference values presented here.

# **Preface**

The author gratefully acknowledges valuable discussions with Dr. K.S.W. Champion during the course of this work and the award of a National Research Council Research Associateship during the tenure of which the work was carried out in the Atmospheric Sciences Division, Air Force Geophysics Laboratory, Hanscom AFB, Massachusetts, USA.



A-1 24

			Contents
1.	INTRODUC	TION	1
2.	INTERCOM	PARISON OF TEMPERATURES	2
3.	THE DERIV	ATION OF REFERENCE TEMPERATURES	2
4.	COMPARISO	ONS OF LOWER-BOUNDARY PRESSURES	6
5.	TABULATIO	ONS OF ZONAL MEANS	7
6.	LONGITUD	NAL DEPENDENCE OF TEMPERATURE	8
7.	LONGITUD	NAL DEPENDENCE OF PRESSURE AND DENSITY	9
RE:	FERENCES		11
ΑP	PENDIX A:	Tables of Monthly Mean Atmospheric Properties, 18 to 80 km and 80°S to 80°N	13
ΑP	PENDIX B:	Calculation of Monthly Mean Values	105
			Illustrations
1.	Comparison	s of Rocket-Based and Satellite-Based Temperatures	3
2.		s of Rocket-Based and Satellite-Based Temperatures New Reference Temperatures	6

		Illustrations
3.	Comparisons of Lower-Boundary Pressures of Rocket-Based Tables With Those of Satellite-Based Tables in Terms of the Average Monthly Mean Relative Pressure Difference	7
4.	Comparisons of January Mean Temperature at Longitudes $\lambda = 140^{\circ}$ , $100^{\circ}$ and $10^{\circ}$ W	9
5.	Comparisons of January Mean Relative Density Deviations From the Zonal Mean Reference Densities at Longitudes $\lambda$ = 140°, 100° and 10° W	10
		Tables
1.	Satellite Temperature Minus New Reference Temperature (K)	5

# A Global Reference Atmosphere From 18 to 80 km

#### 1. INTRODUCTION

The work presented in this report has been motivated in part by the preparation of tables of temperature and geopotential height, based on Nimbus 5 SCR and Nimbus 6 PMR, for the COSPAR Meeting, Graz 1984 by J. J. Barnett, the Department of Physics, University of Oxford. The tables are of monthly means of (a) zonal mean values and (b) longitudinal wave 1 and 2 amplitudes and phases of temperature and geopotential height at latitude intervals of 10° from 80°S to 80°N at levels where -ln(pressure/surface pressure) = 2.5, 3.0, ..., 12.0. Additional motivation has been provided by the availability of tables of monthly mean temperature (also pressure and density) compiled for heights 20 to 80 km and latitudes 0° to 70°S from southern hemisphere rocketsonde data by Koshelkov. 2,3,4

Other reference atmospheres that are available in terms of geometric height with monthly time resolution are Air Force Reference Atmospheres and CIRA 1972, both of which are for northern latitudes only and are based on rocket data from sites that are located mostly on the North American continent or surrounding ocean areas. The recent tabulations mentioned above therefore offer the prospect of developing a reference atmosphere in terms of geometric height which has global coverage.

<sup>(</sup>Received for publication 24 May 1985)

<sup>(</sup>Due to the large number of references cited above, they will not be listed here. See References, page 11.)

The objective of the present work has been to intercompare the above tabulations of temperature and associated lower-boundary pressure at their common points; to determine reasonably representative values for these quantities; and to present reference temperatures, pressure and densities in a form that is convenient for potential users. Zonal mean values are also tabulated below for the following atmospheric parameters: number density, pressure scale height and geostrophic W-E wind.

#### 2. INTERCOMPARISON OF TEMPERATURES

The differences were studied between the S hemisphere temperatures of Koshelkov and the satellite zonal mean values at heights 20, 25, ..., 80 km and latitudes 0°, 10°, ..., 70° S for each month. The averages of these differences were taken over 12 months at 10°, 20° and 30° S but at higher latitudes an unknown longitudinal dependence is likely to be present in the rocket values during a period spanning the winter months and therefore at 40° S averages were taken over 9 months (October to June) and at 50°, 60° and 70° S over 6 months (December to May). The average differences obtained are shown at 10°, 30°, 50° and 70° S in Figure 1.

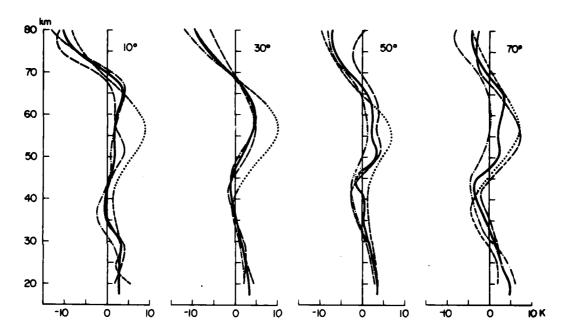
Similar analyses were carried out for the N hemisphere temperatures of CIRA 1972 and Air Force Reference Atmospheres from 0° to 70° N, the averages at 40° N being taken over 9 months, February to October, and at 50°, 60° and 70° N over 6 months, April to September. The results obtained at 10°, 30°, 50° and 70° N are plotted in Figure 1 from which it is seen that:

- (a) Average differences between rocket and satellite values are small amounting to a few K at most heights.
- (b) Average differences are consistent for each of the three rocket reference atmospheres. Consistency between CIRA 1972 and Air Force Reference Atmospheres is not surprising as they are based on common rocket data, but for the S hemisphere the rocketsonde dataset is an independent one.
- (c) Average differences have a similar height profile at all latitudes except near 80 km where they decrease from 10K at low latitudes to 4K at high latitudes.

## 3. THE DERIVATION OF REFERENCE TEMPERATURES

At 20 to 30 km, radiosonde and rocketsonde data combine to provide a temperature accuracy that is smaller than the temperature differences in Figure 1 and therefore a case exists for making adjustments to the satellite values. Also above about 60 km the rocket data are obtained by well-established techniques such as the

grenade and falling sphere methods and appropriate adjustments to the satellite determination would appear to be in order. In the 50-km region the CIRA 1972 was prepared from measurements taken close to noon and it was recognized at the time of its preparation that temperature values were biassed on this account. Figure 1 confirms that CIRA 1972 temperatures are higher than the other values in the region of 55 km and consequently CIRA 1972 from 45 to 60 km has not been taken into account when determining adjustments to the satellite values.



The continuous lines in Figure 1 have been obtained by averaging the three curves with omission of the CIRA 1972 curve between 45 and 60 km. The deviations of the continuous lines from the vertical axis are taken as adjustments to be applied to the satellite temperatures. The analysis is applied at 2.5-km intervals from 17.5 to 80 km, the deviations at 17.5 km being taken equal to those at 20 km.

In the same way, adjustments were determined for 0°, 20°, 40° and 60° latitude, while for 80° the 70° adjustments were adopted. Along with each value of adjustment, a value was obtained for its expected standard deviation based on the spread of the three curves in Figure 1.

Having adjusted satellite temperatures by the above procedure to obtain  $T^{\prime}$ , pressure scale heights  $H^{\prime}$  were calculated from

$$H' = RT/Mg \tag{1}$$

with T = T',  $R = 8314.32 \text{ JK}^{-1} (\text{kmol})^{-1}$ ,  $M = 28.9644 \text{ kg(kmol})^{-1}$  and  $R = 28.9644 \text{ kg(kmol})^{-1}$ 

$$g = g_{\phi} / (1 + z/r_{\phi})^2$$
 (2)

where

$$g_{\phi} = 9.780356 (1 + 0.0052885 \sin^2 \phi - 0.0000059 \sin^2 2\phi)$$
 (m s<sup>-2</sup>)  
 $r_{\phi} = 2 \times 10^6 g_{\phi}'/(3.08546 + 0.00227 \cos 2\phi)$  (m)

 $\phi$  being latitude and z height in meters. Values of 1/H' were then smoothed to obtain 1/H<sub>ref</sub> by a polynomial of degree 8 in height whose coefficients were polynomials of degree 8 in sine of latitude, thereby introducing 81 constants. The formula was fitted by the method of weighted least-squares at 17.5, 18.0, ..., 80 km and 80°S, 70°S, ..., 80°N latitude, that is, at 442 points, the weight given to 1/H' being derived from the estimated standard deviations of the temperature adjustments. New smoothed values of temperature  $T_{ref}$  were then calculated from Eq. (1) with  $H = H_{ref}$ .

The differences between the original satellite temperatures  $T_{\rm sat}$  and  $T_{\rm ref}$  are shown in Table 1. These values are actually the average for the 12 months as there is only a small month-to-month variation. The values in Table 1 show that the smoothing process essentially maintains the equatorial symmetry of the changes made to  $T_{\rm sat}$ . Values of  $T_{\rm sat}$  -  $T_{\rm ref}$  averaged over 12 months are plotted in Figure 2 (right-hand diagram) at 10°, 30°, 50° and 70° latitude; and the latitude dependence is seen to be small. The corresponding global average is given in Table 1. Differences between each of the three sets of rocket temperatures and  $T_{\rm ref}$  averaged over a number of months according to the scheme in Section 2 are shown in Figure 2.

<sup>7.</sup> List, R.J. (1968) Smithsonian Meteorological Tables, Smithsonian Institute Press, Washington, D.C.

<sup>8.</sup> Groves, G.V. (1984) Atmospheric Structure Variations, Part II, Polynomial representation of Middle Atmosphere Structure, Scientific Report No. 1, 1 January - 31 December 1984, AFOSR-84-0045, Department of Physics and Astronomy, University College London, Gower Street, London WC1 6 BT, England, 24 October 1984.

Table 1. Satellite Temperatures Minus New Temperature Model (K) (Average of 12 monthly

08-	-70	09-	-50	-40	-30	-20	-10	0	0	20	30	40	20	9	70	80	GLOBAL	 •
-5.4			-3.4	-3.2		-3.2	-2.8	-2.2	-2.8	-3.1	-3.7	-3.3	-3.3	-3.9	-5.0	-5.3	-3.3	
-3.2			-3.4	-3.4		-3.9	-3.2	-3.3	-3.2	-3.9	-3.7	-3.3	-3.1	-3.4	-3.8	-3.7	-3.5	
4.4-			-3.0	-3.2		-3.3	-2.4	-2.5	-2.5	-3.2	-3.1	-3.2	-3.0	-3.9	-4.0	-3.9	-3.2	
-3.3			-2.2	-2.4		-2.4	-1.0	-2.0	-2.1	-2.3	-2.1	-2.6	-2.6	-3.5	-3.5	-3.4	-2.5	
-1.7	-2.1	-2.5	-1.8	-1.6	-1.7	-2.5	-2.6	-2.9	-2.9	-2.5	-1.6	-1.9	-2.0	-2.4	-2.2	-2.0	-2.3	-
-0.5			-1.7	-1.3		-2.2	-2.5	-2.8	-2.6	-2.2	-1.5	-1.5	-1.6	5:5	-1.0	-0.3	-1.8	
0.1			-1.4	-0.7		-1.2	-1.3	-	-1.2	-	-0.9	-0.7	-1.0	-0.6	9	0.7	6.0-	
-			-0.9	-0.0		-0.2	-0.2	0.4		-0.2	-0.2		-0.3	0.0	0.5	2.5	0.1	
			-0.3	0.5		0.3	0.2	6.0	9.0	0.3	0.2	9.0	0.1	0.3	0.0	2.1	0.5	
2.3			0.5			0.7	0.1	0.5	0.5	0.7	0.5	6.0	0.3	4.0	3	2.5	0.7	
2.4			0.2	3		0.7	-0.4	-0.3	0.0	0.7	9.0	٠.	0.3	0.4	.5	2.7	9.0	
2.2			-0.3	6.0		0.5	-1.0	-1:1	9.0-	0.5	0.5	0.8	٠ <u>٠</u>	0.2	1.4	5.5	0.3	
1.7			-1.1	-0.2		-0.3	-1.4	-1.6	-1:1	-0.3	-0.2	-0.0	-0.7	-0.3	6.0	1.9	<b>4.</b> 0-	
3.0			-2.2	-1.8		4.1-	-1.7	9.1-	-1.5	-1.5	-1.5	4.1-	-1.8	-1.4	-0.2	0.7	-1.4	
-1.2			-3.3	-3.5		-3.0	-1.9	-1.1	-1.8	-3.0	-3.2	-3.1	-3.0	-2.8	-1.8	-1:1	-2.6	
-5.6			-3.8	4.8		-4.1	-2.1	8.0-	-2.1	-4.2	-4.6	-4.5	-4.0	-3.9	-3.0	-2.5	-3.5	
-3.4			-3.5	-4.9		-4.5	-2.1	6.0-	-2.2	-4.5	-5.1	-5.0	-4.0	-3.8	-3.5	3.5	-3.7	
-3.7			-2.5	-4.0		-4.1	-2.1	-1.2	-2.3	-4.1	-4.4	-4.2	-3.1	-2.9	-3.4	-3.8	-3.3	
-3.4			-1.2	-2.5		-3.4	-2.4	-1.8	-2.6	-3.5	-3.3	-2.7	-1.7	-1.6	-2.9	-3.6	-2.6	
-2.6			0.2	-		-2.8	-2.6	-2.3	-3.0	-3.1	-2.2	-1.2	-0.2	-0.0	-2.0	-2.7	-1.9	
			1.6	0.0-		-2.2	-2.3	-2.3	-2.8	-2.5	-1.2	0.5	4.	٠. د	-0.7	-1.2	-1.0	
0.5			3.2	`•		-0.5	-0.5	-0.7	-1.0	8.0-	0.5	1.9	3.0	3.0	0.8	0.5	0.7	
2.1 C.1			0.0	4.3		2.9	3.1	3.1	2.7	2.6	3.5	4.4	4.9	4.4	2.2	2.2	3.5	
3.,			6.8	7.4		7.0	7.5	5.9	7.3	8.9	7.1	7.1	6.7	υ. υ	3.6	3.6	6.7	
4.7			7.7	4.6		6.6	10.7	5.	10.7	9.8	10.0	9.0	7.7	ς. 89	4.5	4.7	9.0	
4.1			6.5	8.4		9.1	9.5	10.2	9.3	9.0	9.6	8.3	9.9	4.6	3.9	4	8.0	

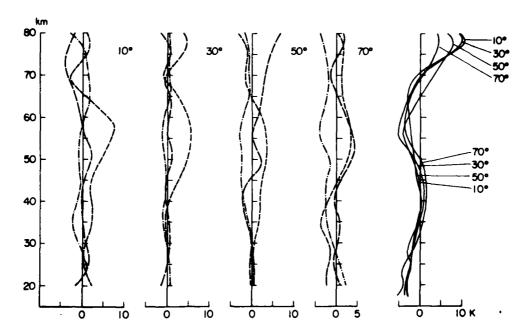


Figure 2. Comparisons of Rocket-Based and Satellite-Based Temperatures With the New Reference Temperatures. Averaged monthly mean rocket minus reference temperatures are shown for the following rocket values:

-.-. Koshelkov; 3, 4 --- Air Force Reference Atmospheres; 5 ----CIRA 1972. 6 Averages are for 12 months at 10°, 30° latitude and for December to May in the S hemisphere or April to September in the N hemisphere at 50°, 70° latitude. Key: —— monthly mean satellite temperatures minus reference temperatures averaged over 12 months

#### 4. COMPARISONS OF LOWER-BOUNDARY PRESSURES

Comparisons of actual lower-boundary pressures adopted for the two N hemisphere rocket reference atmospheres with those adopted for the satellite tables are not possible as the Air Force Reference Atmospheres adopted sea-level pressures. CIRA 1972 adopted 30-km pressures and the satellite tables were tied to 30 mb mean geopotential heights by averaging (for each month) the monthly means from January 1973 to December 1974 and from July 1975 to June 1978, these being the periods of measurement of Nimbus 5 SCR and Nimbus 6 PMR respectively. Comparisons have therefore been made at selected heights of relative pressure differences as these are not sensitive to the particular heights chosen. Figure 3 shows the percentage relative deviation of Air Force Reference Atmospheres pressure at 20 km and that of CIRA 1972 at 30 km from the satellite tables, averaged over a number of months according to the scheme described in Section 2. Air Force Reference Atmospheres pressure at 20 km is at most nearly 2 percent higher while CIRA 1972 pressure at

30 km is at most 3 percent lower than that of the satellite tables, and it is concluded that the N hemisphere lower-boundary pressures of the satellite tables are compatible with the earlier rocket values and should be adopted without adjustment.



In the S hemisphere both rocket and satellite tables are based on the 30 mb mean geopotential heights of radiosonde analyses, the rocket tables using data from 1957 to 1977 and the satellite tables from May 1968 to March 1973. Their relative pressure differences have been evaluated at 20 km and when averaged over a number of months according to the scheme introduced in Section 2 are found to be rather less than 1 percent for all latitudes (Figure 3).

The 30 mb mean geopotential heights of the satellite tables have therefore been adopted in both hemispheres and for each month their lower-boundary pressures are represented by a polynomial of degree 8 in sine of latitude, so making a total of 90 constants in terms of which latitudinal cross-sections of temperature and pressure may be formulated (Appendix B).

#### 5. TABULATIONS OF ZONAL MEANS

Monthly means at each 10° latitude from 80° S to 80° N of the following zonal means are tabulated in Appendix A: temperature, pressure and density at 1-km intervals and number density, pressure scale height and geostrophic W-E wind at 2-km intervals from 18 to 80 km.

Pressure scale height  $H_{ref}$  is obtained from Eq. (B1) in Appendix B and  $T_{ref}$  is calculated from  $H_{ref}$  by Eq. (1). Pressure  $\rho_{ref}$  is calculated from Eq. (B2) in Appendix B which is based on integration of the hydrostatic equation using  $T_{ref}$  and the 30 mb geopotential heights of the satellite tables. Density  $\rho_{ref}$  is calculated from

$$\rho_{ref} = M p_{ref} / RT_{ref}$$
 (3)

and number density  $N_{ref}$  from

A COCCOST REPRESENT RESIDENCE CONTRACTOR

$$N_{ref} = \rho_{ref}/A \tag{4}$$

where  $A = 6.02257 \times 10^{26}$  mks units. The geostrophic W-E wind is calculated from Eq. (B3) in Appendix B at all the stated latitudes except 0° where it breaks down.

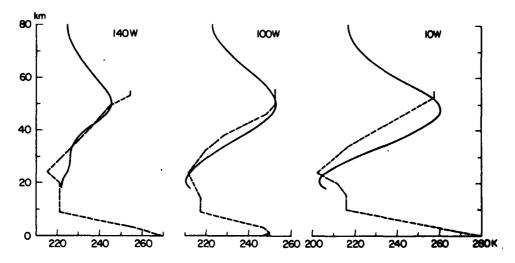
#### 6. LONGITUDINAL DEPENDENCE OF TEMPERATURE

The satellite tables of temperature and geopotential height enable temperature  $T_{sat}(\lambda)$  to be calculated at a given geometric height and longitude  $\lambda$ . Reference temperatures  $T(\lambda)$  at longitude  $\lambda$  are obtained by introducing the same adjustment as for zonal mean values, that is, we take

$$T(\lambda) = T_{sat}(\lambda) + (T_{ref} - T_{sat}).$$
 (5)

The longitudinal dependence of the adjustment is neglected on the assumption that it is a second-order effect, the longitudinal variation of temperature itself being a small first-order effect.

January mean temperatures at 60° N for  $\lambda$  = 140°, 100° and 10° W are presented in Air Force Reference Atmospheres to 55 km altitude and are compared with  $T(\lambda)$  calculated from Eq. (5) in Figure 4. In general, observed temperatures at 35 to 45 km have a range of roughly 85K in winter<sup>5</sup> and hence monthly means are determined less accurately than at other times of the year. The curves in Figure 4 are considered to be in satisfactory agreement. The larger differences at 10° W may possibly be a consequence of a smaller sample of data at this longitude. On the other hand it should be noted that the satellite tables are based on measurements from at most five years and that below about 40 km only Nimbus 5 SCR data from 1973 and 1974 are represented.



The differences  $T(\lambda)$  -  $T_{ref}$  have been calculated from Eq. (5) at 30° longitude steps and heights 18, 20, 24, ..., 80 km for the sequence of eight months in each hemisphere during which longitudinal variations are largest. These months are September to April in the N hemisphere and April to November in the S hemisphere. Tabulations are presented in Appendix A for 20°, 30°, ..., 80° latitude and 180°, 150°W, ..., 150°E longitude. In Appendix B, Eq. (B4) is presented which approximates these values, differing by not more than 1K in all but a few cases.

#### 7. LONGITUDINAL DEPENDENCE OF PRESSURE AND DENSITY

For a given height, reference pressures  $p(\lambda)$  are adopted at longitude according to the relation

$$p(\lambda)/p_{ref} = p_{sat}(\lambda)/p_{sat}$$
 (6)

where  $p_{sat}(\lambda)$  is pressure at longitude  $\lambda$  as determined by the satellite tables and  $p_{sat}$  is the zonal mean pressure. Tabulations are presented in Appendix A of  $100[p(\lambda)/p_{ref}-1]$ , calculated by Eq. (6). In the same way the percentage relative longitudinal deviations of density  $100[p(\lambda)/p_{ref}-1]$  are calculated and tabulated in Appendix A. Values of this quantity at  $\lambda=140^\circ$ ,  $100^\circ$  and  $10^\circ$  W are compared in Figure 5 corresponding to the cases in Figure 4. In Appendix B, Eqs. (B5) and (B6)

enable values of  $p(\lambda)$  and  $\rho(\lambda)$  to be computed which closely approximate those obtained from the tables of Appendix A, differing by at most 1 percent.

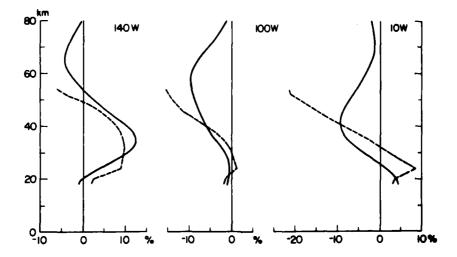


Figure 5. Comparisons of January Mean Relative Density Deviations From the Zonal Mean Reference Densities at Longitudes  $\lambda$  = 140°, 100° and 10° W. Key: --- Air Force Reference Atmospheres;  $\frac{5}{2}$  new reference densities at longitude  $\lambda$ 

# References

- Barnett, J. J. (1984) Plots and Tables of Temperature and Geopotential Height Based on Nimbus 5 SCR and Nimbus 6 PMR, Working Group 4 Document, XXV COSPAR Meeting, Graz 1984.
- Koshelkov, Yu. P. (1983) Climatology of the Middle Atmosphere of the Southern Hemisphere, Preprint of the XVIII General Assembly of IUGG, Hamburg, 1983.
- 3. Koshelkov, Yu. P. (1983) Proposals for a reference model of the middle atmosphere of the southern hemisphere, Adv. Space Research, 3:3.
- 4. Koshelkov, Yu. P. (1984) Reference Middle Atmospheres for the Southern Hemisphere, Preprint to XXV COSPAR Meeting, Graz 1984.
- Cole, A. E., and Kantor, A. J. (1978) <u>Air Force Reference Atmospheres</u>, <u>Air Force Survey in Geophysics</u>, No. 382, AFGL-TR-78-0051, AD A058505, <u>Second Printing</u>, Corrected edition, March 1984.
- 6. COSPAR Working Group 4 (1972) COSPAR International Reference Atmosphere, CIRA 1972, Akademie Verlag, Berlin.
- List, R.J. (1968) Smithsonian Meteorological Tables, Smithsonian Institute Press, Washington, D.C.
- 8. Groves, G.V. (1984) Atmospheric Structure Variations, Part II, Polynomial representation of Middle Atmosphere structure, Scientific Report No. 1, 1 January 31 December 1984, AFOSR-84-0045, Department of Physics and Astronomy, University College London, Gower Street, London WC1 6BT, England, 24 October 1984.

# Appendix A

# Tables of Monthly Mean Atmospheric Properties 18 to 80 km and 80° S to 80° N

## 1. Zonal Mean Values

Seed the seed to be a seed to b

Temperature (K)
Pressure (mb)
Density (kg m<sup>-3</sup>)
Number density (m<sup>-3</sup>)
Pressure scale height (km)
Geostrophic W-E wind (m s<sup>-1</sup>)

## 2. Longitudinal variations

Temperature - (zonal mean temperature) (K)

Pressure/(zonal mean pressure) - 1 (%)
Density/(zonal mean density) - 1 (%)

KM LA	T = -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80 DE
16 19	232.5 232.5	231.4 231.4	227.5 227.8	220.4 221.5	212.3 214.3	206.0 208.6	202.7 205.5	201.9 204.3	201.9	202.6 203.6	204.9 205.4	207.5 209.6	214.5 214.4	216.4 216.0	213.2 212.2	206.7 204.9	200.9 198.2
20			228.4														
21	233.8	232.6	229.4	224.0	218.1	213.4	210.6	209.0	207.8	207.3	208.6	212.1	216.2	217.1	212.5	204.3	196.9
22 23	234.8	233.6	230.5	223.3	220.0	215.6	212.9	211.3	210.1	209.6	210.8	214.0	217.6	218.1	213.4	205.1	197.7
24	232.4	234.0	231.9 233.4	227.2	224.0	217.0	213.1	215.0	214.0	214.7	215.2	218.0	217.1	217.2	214.3	208.3	201 4
25	238.9	237.8	235.1	230.8	224.0	277.1	217.5	218.1	217.4	217.3	218.2	270.1	220.0	221.4	213.7	210.4	201.4
26	240.5	239.5	237.0	232.8	228.2	224.3	221.8	220.4	219.8	219.9	220.7	222.1	223.4	222.8	219.0	212.7	206.9
27			238.9														
28	244.1	243.3	241.0	237.2	232.8	228.9	226.4	225.1	224.8	225.1	225.6	225.9	226.0	225.2	222.4	217.8	213.4
29	246.0	245.4	243.2	239.5	235.2	231.4	228.7	227.4	227.3	227.7	227.9	227.8	227.3	226.4	224.2	220.5	216.8
30			245.6														
31			248.0														
32			250.4														
33 34			253.0														
35			255.6 258.2														
36			260.8														
37			263.4														
36			265.9														
39			268.3														
40	272.8	272.5	270.7	247.3	263.3	259.6	256.7	255.0	254.8	255.4	254.9	252.6	249.3	246.7	245.5	244.9	244.3
41	275.2	274.8	272.9														
42			274.9		267.4												
43			276.7														
44			278.3														
45 46			279.7 280.7		272.0 272.9												
47		284.6	281.5		273.5												
48		285.3			273.0												
49			282.0														
50	287.7	285.5	281.7	277.2	273.2	270.7	269.3	268.9	269.3	269.7	268.6	265.0	259.8	255.5	253.5	253.6	255.0
51		285.2	281.1	276.4	272.4	270.0	268.9	268.8	269.3	269.5	268.0	263.9	258.6	254.3	252.8	253.8	255.6
52	287.0	284.4	280.1		271.2	269.0	268.2	268.4	269.0	269.0	267.0	262.5	256.9	252.8	251.9	253.6	256.1
53	286.1	283.3	278.8	273.7				267.6									
54	284.0	281.9	277.2		267.7												
55	283.1		275.2	269.7				265.0									
56 57	281.2	278.1 275.7	272.9 270.4	267.2 264.4	262.9			263.2 261.2									
58	278.9 276.3				257.0			258.8									
59			264.5														
60	270.3	247.0	261.2	254.8	250.2	249.1	250.2	253.3	254.6	253.2	248.6	242.1	236.8	235.1	238.2	244.7	251.1
61	267.0	263.6	257.7					250.2									
62	263.3	259.9	254.0			241.9	244.0	246.9	248.4	246.9	242.5	236.8	232.2	231.2	234.5	240.9	247.0
63	259.5	256.1		243.5		238.3	240.5	243.5	245.0	243.6	239.5	234.2	230.2	229.5	232.8	238.9	244.7
64	255.4	252.1	246.2	239.6	235.2	234.5	236.9	240.0	241.4	240.2	236.5	231.8	228.3	227.9	231.2	236.9	242.2
65	251.1	247.9						236.3									
66	246.6		237.8			227.2	224.7	232.6 228.9	234.0	233.1	230.5	22/.4	223.2	223.4	220.4	232.9	237.0
67	241.9	238.9		227.4				225.2					222.6				
68 69	236.9 231.8	234.1	228.9	223.3	216.4											227.7	
-																	
70	226.5	224.0	219.7	215.2	212.9	215.6	216.0	217.9	218.6	218.6	218.8	217.2	218 9	221.7	224.2	225 1	224.0
71 72	221.0	218.8	215.0 210.2	211.1	207.3	207 6	210.7	214.4	214.8	211.4	217.0	217.2	217.4	220.7	222.4	224.2	224.2
73	217.3	207 0	205.3	207.1	203.2	207.0	207.4	208.0	207.8	208.2	210.1	213.0	216.1	219.2	221.9	223.4	223.6
73 74	203.4	202.3	200.4	199.2	200.2	202.8	204.9	205.2	204.4	205.1	207.4	210.8	214.5	218.2	221.3	222.9	222.9
75			195.4									208.6	212.8	217.1	220.7	222.5	222.5
76			190.5		194.7							206.5	211.1	216.0	220.2	222.3	
77	185.8		185.6	187.8	192.2	197.0	199.4	198.8	197.4	197.8	200.5			215.0	219.7	222.2	222.2
78		179.7			189.7								208.4				222.0
79		174.3			187.3												
80	169.1	168.9	171.0	176.7	185.0	192.9	197.0	197.2	196.3	196.7	199.0	202.9	208.4	214.7	219.6	221.1	219.7

KA	LAT = -80	-70	-60	-50	-40	-30	-20	-10	0	10	20-	30	40	50	60	70	80	DEG
18	229.7	228.2	224.9	219.5	213.1	207.3	203.4	201.3	200.6	201.1	203.7	208.6	214.2	217.9	217.4	213.6	210.0	
19								202.9										
20	229.4	228.0	225.1	220.7	215.5	210.9	207.3	204.9	203.4	203.2	205.0	209.2	214.6	217.9	216.6	211.4	205.8	
21	229.8	228.5	225.8	221.7	217.0	212.8	209.6	207.3 209.8 212.4 215.1 217.8	205.7	205.4	206.9	210.7	215.4	218.2	216.7	211.6	206.1	
22	230.3	229.3	226.8	223.0	218.7	214.9	212.0	209.8	208.4	208.0	209.3	212.5	216.3	218.6	217.1	212.4	207.3	
23	231.1	230.3	228.0	224.4	220.4	217.0	214.4	212.4	211.1	210.9	212.0	214.5	217.4	219.1	217.7	213.5	209.0	
24	232.0	231.5	229.4	225.9	222.2	219.2	216.9	215.1	214.0	213.9	214.9	216.7	210.6	219.6	218.4	215.0	211.2	
25	233.1	232.9	231.0	227.6	224.2	221.5	219.4	217.8	216.B	216.9	217.8	218.9	219.8	220.1	217.2	216.5	213.5	
26 27	234.4	234.4	232.6	227.4	226.2	223.8	221.9	220.4	217.7	220.0	220.7	221.1	221.0	220.8	220.0	218.1	215.9	
28	233.7	230.0	234.4	231.3	228.3	226.1	224.5	220.4 223.1 225.7	222.5	223.0	223.6	223.3	222.3	221.5	220.9	219.7	218.2	
29	237.3	23/.0	230.3	233.3	230.4	220.3	227.0	228.3	223.3	223.7	220.4	223.3	223./	222.4	221.7	221.3	220.3	
٠,	237.12	237.7	230.3	233.4	232.7	230.7	227.0	440.3	220.0	220./	227.1	22/./	223.2	223.4	222.7	222.7	222.2	
30	241.1	241.4	240.4	237.6	235.0	233.4	232.1	231.0	230 2	231 A	231 8	229 9	224 B	224 4	224 5	224 1	223 9	
31	243.1	243.7	242.5	239.9	237.5	234.0	234.8	233.6	233.5	234.3	234.5	232.2	228.4	224.0	225.3	225.5	223.7	
32	245.2	245.9	244.8	242.2	239.9	238.6	237.4	236.3	234.2	237.1	237.1	234.6	230.4	227.6	226.7	224.7	224.6	
33	247.5	248.1	247.1	244.7	242.5	241.2	240.1	239.1	239.0	239.9	239.8	237.0	232.7	229.4	228.2	228.0	227.8	
34								241.8										
35	252.2	252.8	251.9	249.8	247.7	246.5	245.5	244.7	244.8	245.6	245.2	242.1	237.5	233.4	231.5	230.5	229.7	
36	254.6	255.2	254.4	252.4	250.4	249.1	248.1	247.5	247.7	248.4	247.9	244.8	240.1	235.9	233.3	231.7	230.7	
37	257.1	257.6	254.8	255.0	253.0	251.7	250.8	250.4	250.7	251.3	250.6	247.5	242.8	238.3	235.2	233.1	231.6	
18	259.6	259.9	259.3	257.5	255.6	254.2	253.4	253.2	253.7	254.2	253.4	250.3	245.6	240.8	237.1	234.5	232.7	
39	262.0	262.3	261.7	260.0	258.1	256.6	255.9	256.0	256.7	257.1	256.1	253.0	248.4	243.4	239,1	235.9	233.9	
40								258.7										
41								261.3										
42								263.7										
43								265.9										
44								267.7										
45 46								269.3										
47								270.5 271.4										
48								271.8										
49								271.8										
• • •	•	• • • • • • • • • • • • • • • • • • • •						• • • • • •										
50	277.8	276.6	275.0	272.7	270.1	268.4	269.0	271.4	273.6	273.6	271.1	266.8	261.6	256.8	254.2	254.7	257.0	
51								270.5										
52								269.3										
53	276.5	274.6	271.8	248.5	265.9	264.8	265.7	267.8	269.5	269.3	266.5	261.6	256.2	252.8	253.t	257.5	263.2	
54	275.4	273.3	270.0	266.4	263.0	263.0	264.0	265.9	267.4	267.1	264.2	259.2	253.0	250.8	252.3	257.9	264.6	
55	274.1	271.7	267.9	264.0	261.4	260.8	262.0	263.7	265.0	264.5	261.6	256.5	251.2	248.0	251.1	257.9	265.4	
56	272.5	269.7	265.5	261.3	258.7	258.5	259.7	261.3	262.3	261.7	258.8	253.7	248.5	246.6	249.8	257.4	266.1	
57								258.7										
58								256.0										
59	266.0	262.5	257.0	251.9	249.6	250.2	252.0	253.1	253.2	252.2	249.4	244.8	240.4	237.8	244.9	254.6	264.3	
60	247 4	250 4	251 0	240 8	244 2	247 1	240 1	250.1	240 0	240 0	244 2	241 0	217 0	277 7	247.2	251 6	242 7	
61	260.4		250.5	245 0	242 8	244 0	244 1	247.1	247.7	245.5	243 0	239 0	237.7	237.7	241 3	251.1	240.5	
62	257.3							244.0										
63		249.7	243.4	237.9	236.0	237.6	240.0	240.9	240.1	238.9	236.9	233.8	231.2	232.0	237.7	246.7	255.0	
64	250.2		239.8	234.3	232.6	234.3	236.9	237.7	236.9	235.6	233.9	231.4	229.4	230.5	236.0	244.3	251.7	
65	246.3	242.2	236.0	230.8	229.2	231.1	233.7	234.5	233.7	232.5	231.1	229.1	227.7	229.1	234.3	241.9	248.5	
66	242.1							231.3										
67	237.7	233.9	228.4	223.8	222.6	224.7	227.4	228.1	227.2	226.3	225.7	225.0	224.8	224.6	231.2	237.0	241.7	
48	233.1	229.6						224.8							229.7			
69	228.3	225.1	220.6	216.9	216.4	218.6	221.0	221.5	220.7	220.3	220.7	221.2	222.1	224.5	228.4	232.5	235.3	
70	223.3	220.5	216.6	213.5	213.4	215.6	217.8	218.1	217.4	217.4	218.2	217.4	220.0	223.4	227.1	230.3	232.4	
71	218.2	215.8	212.5	210.2	210.5	212.7	214.6	214.7	214.1	214.5	215.8	217.5	217.4	222.3	225.7	228.7	227.8	
72	213.0	211.1	208.5	206.9	207.7	210.0	211.5	211.4	210.9	211.6	213.4	215.5	217.9	221.1	224./	227.0	227.6	
73 74	207.7	206.2	204.4	205./	203.0	20/.5	208.3	208.0	20/.6	298./	211.0	213.3	214 5	218.4	223.0	224 4	224 1	
/4 25	202.3	194 4	194 2	107 7	100 0	207.0	203.0	214.7 211.4 208.0 204.8 201.8	204.3	200.0	206./	200 7	217.3	217 6	721 A	223.4	227.1	
75	177.4	170.0	170.2	17/+3	197.7	202.4	200 =	199.1	100 0	203.3	204 2	207.3	210.4	215.5	220.4	222.6	221.7	
77	107.7	187 4	188.2	191.1	195.3	198.1	198.4	196.9	194.7	198.9	207.2	203.2	208.B	214.1	217.5	221.8	220.8	
78	183.4	183.1	184.4	188.2	193.2	194.7	196.9	195.3	195.2	197.5	200.6	203.5	207.2	212.9	218.7			
79	179.6	179.2	180.8	185.3	191.3	195.4	195.9	194.7	194.7	194.8	199.6	202.3	204.2	212.2	218.1			
80	176.4	175.7	127.4	182.7	189.5	194.5	195.9	195.4	195.6	197.3	177.4	201.9	206.0	212.3	217.8	219.1	216.7	

ESCULLA KARARAS BUSINESS RUSIN

KN LA	ar = -80	1-70	- 80	-50	-40	- 10	- 20	-10	0	10	20	30	40	50	60	20	BO DEG
18	224.1	224.0	222.5	219.0	214.0	209.0	204.8	202.2	201.4	202.6	205.7	210.0	214.3	217.7	219.5	220.0	219.8
19		223.0	221.8	218.8	214.4	209.9	206.2	203.8	202,9	203.7	206.2	210.2	214.3	217.4	218.8	218.7	218.0
20	222.4	222.6	221.6	218.9	215.1	211.3	208.1	206.0	205.0	205.5	207.7	211.1	214.6	217.2	218.3	218.1	217.6
21	222.1	222.5	221.8	219.4	216.2	213.0	210.4	208.5	207.5	207.8	209.6	212.4	215.2	217.1	218.0	218.1	217.9
22	221.9	222.6	222.1	220.1	217.4	214.9 216.9	212.8	211.2	210.2	210.5	212.0	214.1	216.0	217.2	217.8	218.4	218.8
23	222.0	222.9	222.7	221.0	218.8	216.9	215.4	213.9	213.0	213.3	214.5	216.0	216.9	217.3	217.9	218.8	219.8
24	222.1	223.3	223.4	222.0	220.2	219.0	217.9	216.7	215.9	216 1	217.2	218.0	217.9	217.6	218.0	219 3	220 B
25	222.5	223.8	224.1	223.1	221.8	221.0	220.4	219.4	218 7	219 6	219 R	220 0	219 1	21R 1	218 3	219 9	221 8
26	222.9	224.5	225.0	224.3	223.4	223.1	222.8	222.1	221 5	221 7	222 4	222 1	220 4	218 8	218 8	220 5	777 4
27						225.2											
28						227.3											
29						229.4											
30	226.2	228.2	229.8	230.4	230.8	231.6	232.2	232.3	232.2	232.5	232.4	230.8	227.5	224.2	222.8	223.5	225.0
31	227.4	229.5	231.3	232.3	233.0	233.9	234.6	234.B	234.9	235.1	234.9	233.1	229.7	226.2	224.4	224.5	225.4
32	228.8	231.0	233.1	234.3	235.2	236.2	237.0	237.5	237.2	237 R	237.4	235.5	232.1	228.5	224.2	225.2	226.3
33	230.4	232.7	235.0	236.5	237.6	238.6	239.5	240.2	240.5	240 A	240.0	238.0	234.7	231.0	228.3	227.2	227.2
34	232.2	234.5	232.1	238.9	240.1	241.0	242.1	243.0	243.5	243.4	242.6	246.4	237.4	233.2	230 4	228 B	228.2
35	234.1	236.5	239.3	241.4	242.6	243.6	244.7	245.R	244.5	244 3	245 1	241.1	240.3	234.7	211 7	230.2	779.4
36																	
37	238.4	241.0	244.2	246.7	248.0	248.8	250.0	251.7	252.2	252.3	250.8	248.R	244.4	242.9	238.7	235.0	232.7
38	240.7	243.4	246.8	249.5	250.8	248.8 251.4	252.7	254.A	255.8	255 7	253.5	251.6	249.4	246.1	241.2	237.5	234.7
39	243.0	245.B	749.4	252.2	253.5	254.0	255.4	257.4	258.9	258 3	254.3	254.4	252.4	249.2	244.7	240.1	236.9
	•	•												•		• . • • •	
40	245.4	248.3	252.0	255.0	256.1	256.5	257.9	260.4	262.0	261.2	259.0	257.0	255.3	252.3	247.7	242.7	239.3
41	247.8	250.7	254.5	257.6	258.6	258.9	260.4	263.1	264.8	264.0	261.6	259.6	258.0	255.2	250.5	245.5	241.8
42	250.2	253.1	257.0	260.0	261.0	261.2	262.6	265.5	267.4	266.5	263.9	261.9	260.5	257.9	253.3	248.1	244.5
43	252.5	255.3	259.2	262.2	263.1	263.2	264.7	267.7	269.8	268.8	266.1	264.0	262.6	260.2	255.7	250.7	247.1
44	254.6	257.3	261.2	264.2	265.0	264.9	266.4	269.6	271.8	270.8	267.9	245.7	264.4	262.2	257.9	253.2	249.8
45	256.5	259.1	262.8	265.8	266.5	266.4	267.8	271.1	273.4	272.4	269.4	267.1	265.0	263.7	259.8	255.4	252.3
46		260.7				267.5											
47						268.2											254.8
48						268.5											
49	261.9	263.2	265.7	267.9	268.5	268.J	269.6	272.6	274.8	273.9	271.0	268.4	266.8	265.0	262.7	260.7	259.9
_																	
50	262.4	263.3	265.3	267.3	267.9	267.8	269.0	271.8	273.9	273.0	270.2	267.6	265.9	264.2	262.2	260.9	260.8
51	262.6	263.0	264.5	266.2	266.9	266.9	268.0	270.5	272.4	271.7	268.9	266.3	264.5	262.8	261.3	260.7	261.2
52	262.5	262.4	263.3	264.7	265.4	265.5	266.6	268.9	270.6	269.8	267.3	264.7	262.8	261.2	260.0	260.0	261.0
53	262.1	261.4	261.7	242.8	263.5	263.9	264.9	266.9	268.3	267.6	265.3	262.8	260.7	259.1	258.3	258.9	260.4
54						261.9											
55	260.3	258.5	257.6	257.9	258.8	259.7	260.8	262.1	262.9	262.2	260.4	258.1	255.9	254.4	254.1	255.5	257.7
Sá	258.9	256.7	255.1	255.0	256.0	257.2	258.4	259.4	259.8	259.2	257.6	255.5	253.3	251.8	251.7	253.4	255.7
57						254.6											
58						251.9											
59	253.5	250.1	246.8	245.6	246.7	249.0	250.4	250.8	250.1	249.5	248.7	247.3	245.2	243.9	244.2	246.0	248.1
60	254 7	747 4	147 0	242 7	247 5	246.2	249 ^	147 0	244 0	244.2	245 0	744 5	747 4	241 2	241 7	241 4	245 2
	231.3	247.0	243.4	242.3	243.3	243.3	246.0	244.0	247.7	240.2	243.0	244.3	242.0	271.3	271./	240.0	243.2
61 62	248.7	243.1	270 2	237.0	217 0	243.3	242.3	747 1	240 5	270 0	246 1	210	717 7	734 7	237.4	210.7	239 4
	240.3	242.0	230.2	233.8	23/.0	237.5	242.0	272.1	240.3	237.7	240.1	237.4	237.7	230./	237.1	230.7	237.4
6.3	243.7	277.6	230.3	232./	233.7	234.7	237.7	237.2	237.4	230.7	23/.3	230.7	233.3	237.0	233.1	230.1	230.0
64	241.2	237.5	232.0	227.0	230.0	231.8	237.2	230.4	234.4	234.0	234./	237.0	233.7	234.6	233.1	111 0	233.7
65	238.4	234.9	227.7	228.7	22/.0	231.8	234.3	233.0	231.5	231.1	232.2	232.4	231.3	230.0	231.4	231.0	231.3
46	233.6	232.3	22/.4	223.9	224.7	229.1	231.8	230.8	228.8	228.3	227.7	230.2	227.2	227.1	227.8	227.7	227.0
67	232.7	227.7	224.8	221.3	222.1	223.5	224.0	227.9	225.7	223.8	22/.3	220.1	227.0	22/.0	220.3	220.2	224.7
68	224.7	227.1	222.4	218.8	214.5	223.3	220.2	223.0	222.7	222.9	777 4	220.0	223.7	274 4	220.7	220.0	224./
69	220.0	224.4	220.0	210.4	210.7	220.7	223.2	222.0	217.0	220.2	222.4	223.7	224.1	224.0	223,0	223.1	222.0
70	221.5	221.2	217.4	214-1	214.4	217.9	220.1	218.8	216.8	217.4	220.0	221.8	222.3	223.2	224.3	223.7	221.1
21	220. A	219 0	215 2	211 9	212.1	215.1	214.9	215-4	213.8	214-7	212.5	219.6	220.5	221.7	223.1	222.3	219.4
22	217.1	214.2	212 9	209.8	209.8	212.3	213.2	212.2	210.7	211.9	214.9	217.3	218.5	220.2	221.7	220.9	217.9
73						209.5											
74						206.7											
25	208.2	207 8	205 9	203.9	203.4	204.1	203.9	202.4	201.9	203.9	207.1	209.8	212.0	214.8	212.1	216.5	213.5
76	205.5	205 2	201 A	202 1	201.5	201.6	200.9	199.4	199.4	201.4	204.7	207.3	209.7	212.9	215.4	215.0	212.0
77	203.1	202.2	201.7	200.4	199.R	199.4	198.5	197.3	197.5	199.7	202.6	204.9	207.4	210.8	213.7	213.4	210.6
78	201.7	200.9	200.0	198.9	198.3	197.8	196.7	195.8	196.4	178.6	201.0	202.9	205.2	208.9	212.1	212.0	209.3
79						196.8											
				101 0		10/ 0		107 1	100 7	100 0	200 4	200 4	202 0	205 0	209 4	210.0	202 1

KM t	.AT = -80	-70	-60	-50	-40	- 30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
18	213.3	217.4	219.9	218.6	214.7	210.2	206.3	203.4	202.0	202.9	205.9	210.0	214.4	218.5	222.0	224.5	225	
19	210.6	215.7	219.1	218.5	214.9	210.7	207.3	204.8	203.7	204.6	207.4	211.1	214.9	218.3	221.3	223.4	224.6	
20				218.4					205.9	206.9	209.4	212.6	215.5	218.2	220.8	222.8	224.0	
21	207.2	213.1	217.7	218.4	216.3	213.7	211.3	209.3	208.5	209.4	211.8	214.3	216.3		220.5	222.6	223.9	
22	208.2	212.1	217.0	218.4 218.4	217.3	215.6	213.7	212.0	211.2	212.2	214.3	216.1	217.2		220.4	222.5	223.9	
24				218.5						217.8		220.0	218.3	218.9	220.5 220.8	222.5	223.9	
25	205.4			218.6					-19.6	220.6	221.8	221.9	220.9	220.4		222.8	223.9	
26	205.7	210.3	215.1	218.8	221.4	223.3	223.0	223.1	222.6	223.3	224.2	223.9	222.5	221.6		223.1	224.0	
27				219.1						225.9	226.5	225.9	224.3		. 222.9	223.6	224.1	
28 29				219.6 220.4				228.4			228.8		226.2		224.2	224.2	224.3	
۷,	200.3	211.4	213.0	220.4		220.7	230.4	231.0	231.0	231.2	231.0	230.0	228.4	226.7	225.6	225.0	224.6	
30				221.3				233.5				232.2	230.7	229.0	227.4	226.1	225.2	
31				222.5									233.2	231.5	229.4	227.4	226.0	
32 33	213.1	214.9		224.0	229.4	233.7	236.7	238.7					236.0	234.3	231.7	229.0	227.1	
33	215.2 217.5	216.7	222.2	22 <b>5.</b> 7 227.7		237.7				241.7	240.3	239.5 242.1	23 <b>6.6</b> 241.8	237.2	234.2	230.9 233.0	226.5	
35	219.9	220.9			235.5	239.8	243.4	246.6	248.0	247.2	245.5	244.8		243.6	237.9	235.5	232.2	
36	222.6		226.7			242.1			250.9	250.0	248.1	247.6	248.1	246.9	243.0	230.1	234.6	
37	225.4			234.9					253.0	252.8		250.5	251.3	250.3	246.3	241.0	237.2	
38 39		228.8	232.1			247.1							254.4	253.6	249.5	244.1	240.1	
37	231.3	231.8	233.0	240.5	292.0	297.7	233.4	237.4	257.4	258.3	256.3	236.1	257.4	256.9	252.8	247.3	243.2	
40	234.4	234.8	237.9	243.4	248.5					261.0	258.9	258.8	260.3	260.0	256.0	250.5	246.4	
41	237.4	237.8		246.2				262.4		263.5	261.4		263.0		259.1	253.7	249.7	
42		240.8		248.9				264.7		265.7	263.7	263.7	265.4		262.0	256.8	252.9	
43 44	243.5 246.4	243.6	246.5	251.5 253.9	256.3 258.5		263.0 264.9		268.8 270.4	267.7 269.4	265.7 267.5	265.8 267.5	267.5 269.3	267.8 269.7	264.6 266.8	259.7 262.4	256.1 259.0	
45	249.1	248.9	251.3	255.9	260.4			269.9	271.7	27).7	268.8	268.9	270.6	271.1	268.6	264.7	261.6	
46	251.6	251.1	253.2		262.0		267.0		272.6	271.6	269.8			272.1	270.0	266.5	263.9	
47	253.9	253.1	254.8	258.9	263.1			271.5		2/2.1		270.4			270.9	267.9	265.7	
48	255.9	254.7	255.9	259.8	263.9			271.7			270.4				271.3	268.8	267.0	
49	257.6	255.9	256.7	260.1	264.1	267.0	269.2	271.4	272.5	271.5	270.0	270.1	2/1.6	272.4	271.2	269.2	267.7	
50	258.9	256.8	257.0	260.1	263.9	266.7	268.8	270.7	271.5	270.6	269.2	269.3	270.7	271.5	270.6	269.0	267.8	
51	259.9	257.2	256.8	259.5	263.2			269.5			267.9	268.1	269.4	270.3		268.3	267.4	
52	260.5	257.3	256.3		262.1			267.9			266.3		267.8	268.6	268.1	267.1	266.5	
53 54	260.9 260.7	257.0 256.4	255.4 254.2	257.2 255.5	260.5 258.6			266.0 263.6			264.3 262.0	264.6 262.5	265.9 263.7	266.7 264.4	266.3 264.1	265.5 263.5	265.1 263.2	
55	260.2	255.5	252.7	253.5	256.4	259.1		261.0				260.1		261.9	261.7	261.2	261.0	
56	259.4	254.3	250.9	251.3	254.0	256.7	258.0		257.7		256.9	257.6	258.7			258.7	258.6	
57	258.4	252.9	249.0	248.8	251.3	254.0		255.2	254.4	253.9	254.1	255.0	256.0	256.5	256.4	256.0	255.9	
58	257.0	251.4	247.0	246.3				252.0				252.3	253.3	253.7	253.6	253.3	253.2	
59	255.5	249.7	245.0	243.8	245.7	248.3	249.4	248.7	247.7	247.5	248.4	249./	250.5	250.8	250.8	250.6	250.4	
60	253.7	248.0	242.9	241.2	242.8	245.4	246.4	245.4	244.2	244.3	245.6	247.0	247.7	247.9	248.0	247.9	247.7	
61	251.8	246.2	240.9	238.6	239.9	242.5	243.4	242.1	240.7	241.0	242.8	244.4	245.0	245.1	245.3	245.3	245.0	
62	249.8	244.4	238.9					238.8			240.1				242.6	242.8		
63	247.7	242.7	237.0	233.8	234.4 231.8	236.8		235.6		234.8	237.4	239.3	237.6	239.6	240.1	240.4	240.0	
64 65	245.6 243.5	240.9	235.1 233.4	229.3				227.2				234.3	234.4		235.3	236.2	235.6	
66	241.3	237.5	231.7	227.3				226.1						231.8	233.1	234.0	233.5	
67	239.2	235.9	230.1	225.3	224.4			223.0			227,1		29.3	229.4	230.8	232.0	231.5	
68	237.1	234.2	228.6	223.5	222.2			220.0				227.0	226.8	227.0	228.7	230.0	229.5	
69	235.1	232.6	227.1	221.7	219.9	220.9	220.3	217.1	215.1	217.3	221.8	224.4	224.3	224.6	226.5	227.9	227.4	
70	233.2	231.0	225.6	219.9	217.8	218.3	217.5	214.2	212.2	214.5	219.1	221.7	221.7	222.2	224.2	225.7	225.2	
71	231.4	229.4	224.1	218.2	215.6	215.7	214.6	211.4	209.5	211.8	216.3	218.9	219.1	219.7	221.9	223.4	222.9	
72	229.7	227.8	222.5	216.5	213.5	213.1	211.8	208.6	206.9	209.1	213.4	216.0	216.4		219.5	220.9		
73	228.1			214.9										214.7		218.1	217.4	
74 75	226.7 225.5	224.6		213.2							207.5		210.8 207.9	212.1	214.2	215.1	214.3	
76	223.3	221.8		210.1				199.5		200.0	202.2		205.1	206.7	208.3	208.5	207.4	
77	223.9	220.8	215.2	208.9	203.9	200.9	199.3	198.2	197.9	198.7	200.0	201.2	202.3	203.9	205.2	205.1	203.9	
76	223.6			208.0				197.6			198.6		199.8	201.1		201.8	200.5	
79	223.8	220.1	214.2	207.6	202.1	198.9	197.8	198.1	198.7	198.9	198.3	197.5	197.5	178.4	199.2	178.7	197.4	
80	224.4	221.1	215.0	208.1	202.5	199.5	199.0	200.0	201.2	201.1	199.5	197.2	195.7	195.8	196.5	196.3	195.1	
								<b>-</b>	<b>-</b>		•							

KH LAT	z -80	-70	-60	-50	-40	- 30	-20	-10	0	10	20	30	40	50	60	70	80 DE(
18 19	199.9	206.9	214.2	217.6	215.8	211.0	206.5	203.8	202.9	203.4	205.5	209.4	214.4	219.4	223.2	225.8	227.3
17	174.0	203.4	212.6	217.2	210.0	211.7	207.7	203.3	204.9	203.6	207.7	211.3	215.6	214.6	222.7	224.9	226.3
20	191.6		211.0														
21	189.9	199.1		216.2	217.0	214.4	211.6	210.0	209.8	210.7	212.7	215.4	218.2	220.5	222.4	224.2	225.7
22	189.2		208.2	215.5	217.7	216.2	213.9	212.6	212.5	213.5	215.3	217.5	219.5	221.2	222.7	224.3	225.9
23 24	189.4	197.2	207.0	214.8	218.2	217.9	216.3	215.2	215.3	216.3	217.8	219.5	220.9	222.0	223.2	224.7	226.3
25	191.7	197 1	206.1 205.4	213.5	210.7	217.0	210./	217.7	270.1	217.0	220.3	221.3	222.4	223.1	224.0	223.4	227.0
26	193.5	197.9	204.9	213.0	219.5	227.2 222 B	221.5	220.0	223.4	221.7	222.7	275.4	223.7	224.3	774 1	220.3	227.8
27	195.7		204.8														
28	198.2	200.2	205.1	212.6	220.3	225.6	228.0	228.7	229.1	229.3	229.4	229.3	229.2	229.3	229.6	230.4	231.4
29	200.9	201.8	205.6	212.7	220.9	227.0	230.1	231.3	231.7	231.8	231.5	231.3	231.2	231.3	231.6	232.2	233.0
30			206.5														
31			207.8														
32			209.3														
33			211.2														
34 35			213.4 215.8														
36			219.5														
37			221.4													253.5	252.4
38			224.5													256.7	255.4
39			227.7														
40	236.9	232.8	230.9	233.7	240.5	248.5	254.9	258.1	258.6	258.0	258.0	259.3	261.5	263.4	263.8	262.9	261.6
41			234.2														
42			237.5														
43	246.1		240.7														
44			243.7														
45			246.5														
46 47			249.1 251.4														276.6 278.1
48			253.3														279.2
49			254.9														
50	260.2	258.4	256.1	255.4	257.8	262.6	267.0	268.6	268.0	267.5	268.6	270.7	273.0	275.2	277.3	279.0	279.9
51	261.0		257.0														
52	261.5	260.0	257.4	255.6	256.9	261.1	265.2	266.7	265.8	265.2	266.2	268.1	270.3	272.5	274.9	277.3	278.9
53	261.5	260.3	257.5	255.2	255.9	259.7	263.8	265.1	264.2	263.5	264.4	266.3	268.3	270.5	273.2	275.8	277.7
54	261.3		257.3														
55	260.7		256.7														
56	259.7		255.9					258.3								269.4	
57	258.5		254.8					252.2								266.7 263.8	269.3 266.5
58 59	257.1 255.4		253.6 252.2														
•																	
60	253.5		250.7														
61	251.5		249.1														
62 63	249.4	250.2 248.3	24/.4	242.3	238.6	238.0	238.3	237.5	236.8	23/.9	240.2	230 4	242.1	243.6	24 1	247.9	253.7
64	245.1	246.3	244.0	270.0	230.0	212 2	234.7	229.7	233.0	237.0	23/ .2	235.6	735 A	234 9	240.4	244.4	244.7
65	242.9	244.3	247.3	232.3	232.8	230.2	228.0	225.8	225.4	227.9	231.2	232.6	232.4	233.5	237.1	241.0	243.1
66	240.9	242.4		235.6		227.6	224.6	222.0	221.7	224.6	228.2	229.5	229.1				
67	238.9	240.5			229.0	225.0	221.3	218.2	218.1	221.3	225.2	226.4	225.8	224.8	230.4	234.1	235.8
68	237.1	238.6	236.9	232.2	227.0	222.5	218.0	214.6	214.5	218.1	222.1	223.3			227.0		232.1
69	235.5	236.0	235.1	230.4	225.0	219.9	214.8	211.2	211.2	214.9	219.0	220.1	219.2	220.1	223.6	227.0	228.2
70		235.0	233.2	228.5	222.9	217.3	211.7	207.9	208.0	211.9	215.9	216.8	215.9	216.8	220.2	223.3	224.2
21	232.8		231.3				208.7	204.8	205.0	208.9	212.7	213.4	212.5	213.4	216.6	219.5	220.1
72	231.7		229.4					202.1		206.1	209.6	210.0	209.0	209.9	213.0	215.5	215.8
73	230.9		227.4					199.6			206.4	206.6	203.6	200.4	205.4	207.0	211.3
74 75	230.3	229.1			213.3			197.4 195.7			200.4	100 0	198 7	199 4	201.4	202.5	201.9
75			222.0		208.5			194.5		197.2	198.0	196.8	195.4	195.8	197.2	197.8	
70 77			220.6		206.5			193.9		196.1	195.9	194.0	192.3	192.2	193.0	192.8	
78		225.5	219.6	212.5	205.2	198.8	194.9	193.9	195.0	195.7	194.5	191.8	189.6	188.8	188.6	187.8	186.4
79	229.6	225.2	219.2	212.2	204.8	198.6	195.1	194.9	196.1	196.3	194.1	190.4	187.3	185.4	184.1	182.5	181.0
80	229.6	225.3	219.7	213.2	206.0	199.8	196.6	196.9	198.5	198.3	195.0	190.1	185.6	182.2	179.5	177.3	175.6

KM L	AT = -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80 BE6
18	189.4	197.3	207.6	215.5	217.0	213.1	208.1	205.1	204.2	204.5	205.6	209.0	214.3	220.3	225.3	228.6	230.4
19	182.4	192.3	205.0	214.8	217.2	213.8	209.3	206.9	206.5	207.2	208.7	211.7	216.3	221.2	225.4	228.4	230.3
20			202.7														
21 22			200.7 199.2														
23			198.1														
24			197.4														
25 26	184.3	187.1	197.2 197.5	209.1	218.2	221.7	221.4	220.9	221.6	222.8	223.8	224.B	226.2 227 B	227.8 229 l	229.7	231.7	233.6 234 B
27			198.1														
28			199.2														
29	176.1	176.7	200.6	208.0	217.3	225.2	229.4	230.7	230.8	231.1	231.6	232.1	233.1	234.8	236.9	238.7	239.6
30			202.5														
31			204.6 207.1														
33			209.9														
34			212.9														
35 36			216.1 219.5														
37			223.0													260.6	
38	235.1	231.4	226.6	224.9	229.5	239.4	248.5	251.6	250.4	249.6	250.7	252.6	254.8	250.2	262.0	263.6	262.6
39	238.8	235.2	230.3	228.1	232.3	241.9	250.8	253.0	252.6	251.8	253.1	255.1	257.5	261.0	264.9	266.5	265.5
40			234.0														
41 42	245.7		237.6												270.2 272.5		
43	251.6	245.8 248.9													274.6		
44	254.3		247.6	244.9	247.6	254.8	261.4	263.1	261.8	261.5	263.5	266.1	268.7	272.3	276.5	278.8	278.6
45	256.7														278.0 279.2		280.6 282.3
46 47	258.9 260.9														280.0		
48	262.6				256.3			266.7	265.5	265.6	267.6	270.1	272.7	276.1	280.4	283.6	284.6
49	264.0	262.6	259.2	256.4	257.4	261.9	266.1	266.9	265.7	265.8	267.8	270.2	272.7	276.1	280.5	283.9	285.3
50	265.1	263.9	260.5	257.5	258.0	262.1	265.9	66.6	265.5	265.6	267.5	269.9	272.3	275.7	280.2	283.9	285.5
51	265.9					261.8	265.4	266.0	264.9	265.0	266.8	269.1	271.4	274.9	279.4	283.4	285.4
52 53	266.4 266.5					259.8	263.0	263.7	267.6	262.6	264.2	266.3	248.6	272.1	278.4 276.9	201.4	283.8
54	266.3			257.7	256.0	258.2	261.2	261.9	260.9	260.8	262.3	264.3	266.6	270.1	275.1	279.8	202.5
55	265.8							259.8	258.9	258.7	260.1	262.0	264.3	267.9	273.0 270.6	277.9	280.7
56 57	264.9 263.7		261.2			254.1 251.7	256.6 253.9			253.6	254.8	256.5	258.8	262.6	268.0	273.2	276.7
58	262.1		259.0	253.0	249.0	249.1	250.9	251.4	250.7	250.6	251.7	253.4	255.6	259.5	265.1	270.3	273.5
59	260.3	260.9	257.6	251.4	247.0	246.4	247.7	248.1	247.5	247.4	248.5	250.1	252.3	256.3	261.9	267.3	270.5
60			255.9	249.8	244.9	243.7	244.4	244.6	244.0	244.1	245.1	246.6	248.8	252.9	258.6	264.0	267.2
61 62		256.9	254.1 252.1	248.1	242.9	241.0	241.0	240.8	240.4	240.6	241.7	243.1	245.2	249.3 245.4	255.0	260.5 256.8	263.7 260.0
63	250.7	252.0	250.0	244.6	239.0	235.5	233.9	233.1	232.8	233.4	234.5	235.7	237.7	241.8	247.5	252.9	
64	248.0	249.4	247.8	242.8	237.0	232.8	230.3	229.1	228.9	229.8	231.0	232.0	233.9	237.8			252.0
65 66		246.6	245.4	240.9	235.1	230.1	226.8	225.1	225.1	226.2	227.4	228.3	230.0	233.8	239.4	244.6	247.7 243.2
67		241.1	240.6	237.0	231.2	224.8	219.7	217.2	217.5	219.2	220.5	221.0	222.2	225.6	230.8		230.5
68		238.4	238.0	234.9	229.0	222.0	216.3	213.5	213.8	215.8	217.1	217.4	218.3	221.4	226.3	231.0	233.7
69	235.0	235.8	235.5	232.6	226.8	219.3	212.9	209.8	210.3	212.5	213.8	213.9	214.4	217.1	221.8	226.2	228.8
70	232.8	233.3	232.9	230.2	224.3	216.4	209.6	206.4	207.0	209.4	210.7	210.4	210.5	212.0	217.1	221.3	223.6
71 72	230.9	231.0	230.4 227.9	227.6	221.6	213.5	206.5	203.2	203.9	206.4	207.7	207.1	206.6	208.5	212.4	216.2	218.4 212.9
72 73	227.2 227.8	228.7	227.4	221.8	215.6	207.5	200.7	197.5	198.5	201.1	202.1	200.7	199.1	199.8	202.6	205.7	207.4
74	226.7	225.5	223.1	218.9	212.4	204.6	198.1	195.2	196.2	198.9	199.6	197.7	195.5	195.4	197.7	200.3	201.7
75	225.7	224.1	220.9	215.9	209.2	201.8	195.8	193.3	194.4	196.9	197.4	194.9	192.0	191.1	192.7	194.8	195.9 196.0
76 77	225.0 224.4	222.9	210.9 217.2	213.2	206.2	197.2	193.9	191.8	193.0	194.2	193.8	190.1	185.5	182.9	182.7	183.5	184.0
78	223.0	220.9	215.9	209.3	202.2	195.9	191.7	190.6	192.0	193.6	192.5	188.1	182.7	179.0	127.7	177.8	178.0
79	223.1	219.8	214.9	208.8	201.9	195.0	191.9	191.1	192.6	193.8	191.9	186.6	180.3	175.3	172.7	172.0	172.1
80	222.1	218.6	214.6	209.9	203.8	197.3	193.1	192.6	194.2	194.8	191.9	185.6	178.3	172.0	167.9	166.3	166.2

KM LA	NT = -80	-70	-60	-50	-40	- 30	-20	~10	0	10	20	30	40	50	60	70	80 DEG
18 19	178.8 17 <b>0.</b> 7	188.4° 182.2	201.5 198.2	212.9 212.0	216.9 217.0	213.5 213.8	208.2 208.8	205.3 206.5	204.9	205.5 208.1	206.6 209.5	209.2 211.9	214.1 216.1	220.1 221.1	225.5 225.5	229.1 228.7	231.1 230.8
20	167.3	179.1	195.8	211.1	217.6	215.1	210.3	208.3	209.2	210.8	212.2	214.4	218.0	222.1	225.7	228.7	230.9
21	167.0	178.0	194.4	210.3	218.2	216.7	212.3	210.5	211.6	213.4	214.8	216.7	219.7	223.2	226.2	228.9	231.2
22						218.5											
23	172.2	180.3	193.9	209.3	219.2	220.2	217.0	215.4	216.4	218.1	219.3	220.7	223.0	225.5	227.8	230.2	
24 25						221.8 223.1											
26	187.8					224.3										232.4 233.8	
27	193.0	194.7	200.1	209.8	219.8	225.2	225.8	225.0	225.1	225.9	226.6	227.5	229.1	231.3	233.5	235.5	237.0
28	199.9	199.4	202.7	210.6	219.9	226.0	227.6	227.2	227.1	227.6	228.2	229.1	230.7	233.0	235.3	237.3	
29	205.8	204.1	205.7	211.8	220.2	226.7	229.3	229.3	229.0	229.2	229.8	230.8	232.4	234.8	237.4	239.2	240.1
30	211.5	208.9	208.9	213.3	220.6	227.5	231.0	231.4	230.9	230.9	231.5	232.5	234.2	236.8	239.6	241.4	241.9
31	216.8	213.7	212.4	215.1	221.3	228.3	232.6	233.4	232.8	232.6	233.2	234.2	236.1	238.9	241.9	243.7	243.8
32	221.7	218.5	216.1	217.1	222.3	229.3	234.3	235.5	234.7	234.3	234.9	236.1	238.0	241.1	244.4	246.1	245.9
33	226.2	223.0	219.8	219.5	223.6	230.5 231.9	236.0	237.6	236.7	236.2	236.8	238.1	240.1	243.4	246.9	248.6	249.1
34	230.2	227.4	223.7	222.1	225.2	231.9	237.8	239.7	238.7	238.1	238.7	240.1	242.3	245.8	249.5		250.5
35 36	233.9	231.5	22/.6	225.0	227.2	233.5	237.7	241.9	240.8	240.1	240.8	242.3	244.6	248.3	252.2	253.9	
37	240.2	239.1	231.4	231.3	231.9	235.5 237.7	244.0	244.3	245.7	242.2	245.7	244.0	247.0	250.6	257.4	256.6 259.4	
38	243.0	242.5	238.8	234.6	234.7	240.1	246.3	248.6	247.5	246.6	247.5	249.2	251.8	255.9	260.3	262.1	
39	245.6	245.7	242.3	238.0	237.7	242.7	248.7	251.0	249.8	248.9	249.8	251.6	254.3	258.5	262.9		
40	248.2	248.7	245.7	241.3	240.8	245.5	251.2	253.3	252.1	251.2	252.1	254.0	256.7	260.9	265.4	267.4	266.4
41	250.7	251.5	248.8	244.6	243.9	245.5 248.3	253.7	255.6	254.4	253.5	254.4	256.3	259.0	263.2	267.8	269.9	269.1
42	253.2	254.1	251.6	247.7	247.0	251.1 253.8	256.1	257.8	256.5	255.7	256.6	258.5	261.2	265.4	269.9	272.2	271.7
43	255.7	256.5	254.2	250.6	250.0	253.0	258.4	259.9	258.6	257.8	258.6	260.5	263.2	267.4	271.9	274.3	274.1
44 45	238.1	258./	250.5	255.2	252.8	256.4	242.5	261.8	260.5	259./	260.5	262.4	265.0	207.1	2/3.6	276.3	2/0.3
46	262.9	262.7	260.3	257.4	257.3	258.2 260.6	264.2	264.9	263.5	262.8	263.6	265.3	247.8	271.7	276.2	279.3	280.1
47	265.1	264.4	261.7	258.9	258.9	262.2	265.4	265.9	264.6	263.9	264.7	266.3	268.7	272.5	277.1	280.4	281.5
48	267.2	265.9	262.7	259.9	260.0	263.2	266.2	266.7	265.4	264.7	265.4	266.9	269.3	273.0	277.6	281.2	202.7
49	269.1	267.1	263.5	240.5	260.6	263.7	266.6	267.0	265.7	265.1	265.7	267.2	269.4	273.1	277.8	281.6	283.5
50	270.6	268.1	264.0	260.6	260.6	263.6	266.5	266.9	265.7	265.1	265.7	267.0	269.1	272.7	277.6	281.7	283.9
51	271.8	268.9	264.2	260.4	260.0	262.9	265.9	266.4	265.3	264.7	265.2	266.4	268.4	272.0	277.0	281.5	203.9
52						261.7											
53						260.0											
54 55						257.9 255.4											
56						252.6											
57	269.4	266.1	259.2	251.9	248.4	249.7	253.0	254.9	254.9	254.4	254.2	254.4	255.9	260.1	266.6	272.7	276.3
58						246.6											
59	264.8	262.2	255.6	247.7	243.1	243.4	246.4	248.6	249.1	248.7	248.2	247.9	249.3	253.8	260.8	267.3	271.1
60	262.0	259.8	253.4	245.5	240.5	240.3	243.0	245.3	245.9	245.6	244.9	244.4	245.2	250.3	257.5	264.2	268.0
61						237.2											
62						234.3											
63 64						231.5											
65						226.2											
66						223.8											
67	238.8	238.0	235.2	230.6	225.4	221.5	219.8	220.2	221.5	221.9	220.7	219.0	219.3	223.0	229.2	235.5	239.6
68	235.8		232.5	228.5	223.5	219.2	216.8	216.7	217.9	218.5	217.4	215.7	215.7	218.8	224.5	230.5	234.6
69	232.9	232.0	229.9	226.4	221.6	216.9	213.9	213.4	214.5	215.2	214.3	212.5	212.1	214.7	219.7	225.3	229.3
20		229.3	227.4	224.2	219.6	214.6	211.1	210.1	211.1	212.0	211.3	209.5	208.7	210.5	214.8	220.0	223.8
71	227.8		225.0	222.0	217.4	212.3	208.3	206.9	207.8	208.9	208.5	206.6	205.3	206.4	209.9	214.5	218.1
72	225.5					209.9									199.7		
73 74	223.5 221.7	222.7		217.4	210.1	204.9	200.5	198.4	198.7	200.3	200.9	199.1	196.0	194.0	194.6	197.3	200.2
75		219.6			207.5	202.3	198.2	196.0	196.2	197.9	198.8	196.9	193.1	190.0	189.5	191.5	194.1
76	218.6			210.8	205.0	199.9	196.1	193.9	194.1	195.8	196.9	195.0	190.4	184.0	184.4	185.7	188.0
77	217.3			209.1	202.9	197.8	194.2	192.3	192.4	194.2	195.4	193.2	187.7	182.2	179.4	180.0	
78	216.2	216.3	213.5	207.7	201.4	196.3	192.9	191.1	191.3	193.1	194.1	191.5	185.2	178.4	174.5	124.3	
79						195.7											
80	214.8	213.6	211.4	207.5	202.1	196.5	192.5	191.2	192.0	193.4	193.1	188.9	180.7	171.4	165.1	163.6	165.3

	LAT = -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80 DE
18 19	170.4	184.1	201.6 198.3	214.8	217.9	213.5	207.9	204.7 205.5	204.2	205.2	207.4 209.4	210.7 212.6	215.2 216.4	220.0 220.4	224.3 223.9	227.2 226.7	228.9 228.5
20	158.0	174.6	196.7	214.0	218.9	214.8	209.5	207.1	207.6	209.4	211.7	214.5	217.7	221.1	224.0	226.5	228.3
21	159.1	174.9	196.4	214.0	219.9	216.5	211.5	209.3	210.0	211.9	213.9	216.3	219.2	222.0	224.5	226.6	228.J
22			197.1														
23			198.6														
24 25	1/3.8	188.0	200.8 203.5	215.0	222.5	222.1	218.8	217.1	217.8	219.2	220.3	221.5	223.4	225.4	227.1	228.4	229.5
26			206.6														
27			210.1														
28			213.8														
29	217.5	216.7	217.6	221.0	225.3	228.3	229.2	228.9	228.7	228.8	229.0	229.4	230.6	232.6	234.5	235.3	235.1
30	224.6	221.6	221.5	222.8	226.0	229.3	231.0	231.0	230.6	230.5	230.6	231.1	232.3	234.4	234.4	237.2	236.7
31			225.5														
32			229.4														
33	240.3	237.7	233.3	229.5	229.4	232.7	236.3	237.5	236.7	236.0	236.1	236.7	237.9	240.2	242.8	243.6	242.6
34 35			237.0 240.6														
36			244.1														
37			247.3														
38	252.5	254.0	250.2	243.2	239.6	242.3	247.5	249.9	248.9	247.5	247.4	248.0	249.4	252.0	255.0	255.9	254.5
39	254.3	256.3	252.9	245.9	242.2	244.8	250.1	252. <i>7</i>	251.6	250.1	249.8	250.4	251.8	254.4	257.4	258.4	256.9
40			255.4														
41			257.5														
42	260.1	262.2	259.3	253.1	249.9	252.6	257.9	260.7	259.7	257.7	257.0	257.3	258.6	261.3	264.1	265.1	263.9
43	264.7	263.8	260.9 262.1	253.1	252.3	257.1	260.4	203.1	262.1	260.1	259.1	257.3	260.6	263.2	266.0	247.0	240.0
45	267.1	266.8	263.0	257.9	256.1	259.3	264.5	267.1	264.1	243.9	262.4	261.5 262.4	263.8	265.4	267.1	220.2	269.4
46			263.6														
47			263.9														
48			263.9														
49	275.3	270.2	263.6	258.9	258.8	263.0	268.0	270.3	269.4	267.4	265.7	265.2	266.1	268.5	. 11.4	273.4	273.9
50	276.5	270.3	263.0	258.1	258.2	262.6	267.6	269.9	269.1	267.1	265.5	264.9	265.7	268.0	271.1	273.4	274.2
51			262.1														
52	277.2	269.5	260.9	255.5	255.7	260.2	265.3	267.5	266.9	265.3	264.0	263.2	263.6	265.9	269.5	272.6	
53	276.6	268.6	259.5	253.8	253.9	258.4	263.4	265.7	265.2	263.9	262.6	261.8	262.1	264.3	268.1	271.7	
54 55	2/5.4	267.2	257.8 256.0	251.9	231.7	256.1	261.1	263.4	263.1	262.0	261.0	260.1	260.1	262.4	266.5	269.1	
56	2/3.3	263.4	254.0	247.0	247.3 244 R	250 8	255.5	257 9	250./	257.7	254.0	236.V	255 4	252.7	264.0	267.4	
57	268.2	260.9	251.8	245.2	244.1	247.8	252.4	254.8	255.2	255.0	254.5	253.3	252.8	255.0	260.1	265.5	268.9
58	265.0	258.2	249.5	242.8	241.5	244.8	249.2	251.6	252.2	252.4	252.0	250.7	249.9	252.1	257.5	263.3	267.1
59	261.4	255.3	247.0	240.5	238.9	241.8	245.9	248.3	249.1	249.6	249.4	247.9	246.9	249.1	254.7	261.0	265.0
60	257.7	252.3	244.6	238.2	236.4	238.9	242.6	244.9	246.0	246.8	246.6	245.0	243.9	246.0	251.8	258.3	262.7
61	254.0		242.0														
62	250.3	246.0	239.5	233.9	231.8	233.4	236.1	238.2	239.8	241.1	241.1	239.2	237.6	239.6	245.5	252.5	
63	246.7	242.8	237.0	231.9	229.8	230.9	233.1	235.0	236.7	238.3	238.3	236.2	234.5	236.4		249.2	254.1
64 65	243.3 240.0	237.8	234.6	230.0	228.0	228.6	230.1	231.8	233./	235.4	235.5	233.3	231.4	233.1	238.8	245.8 242.1	250.8 247.1
66	237.1					224.4						227.4		226.4		238.2	243.1
67	234.3	231.5	227.9		223.3	222.5	222.1	222.7	224.6	226.7	226.9	224.5	222.2	223.1		234.0	238.9
68	231.8	229.1	226.0	223.6	222.0	220.7	219.6	219.7	221.5	223.7	224.0	221.7	219.2			229.7	234.3
69	229.4	226.9	224.2	222.2	220.6	218.9	217.2	214.8	218.4	220.6	221.0	218.8	216.3	216.3	219.9	225.2	229.6
70	227.2	225.0	222.6	220.8	219.2	217.0	214.8	213.9	215.2	217.4	218.0	216.0	213.3	212.9	215.7	220.4	224.5
21	225.1	223.2	221.2	219.4	217.6	215.1	212.4	211.0	211.9	214.1	215.0	213.2	210.4	209.4	211.5	215.5	219.3
72	723.0	221.7	220.0	218.1	215.9	213.1	210.0	208.1	208.6	210.7	211.9	210.5	20/.5	203.9	207.1	210.5	213.7
73 74	220.9	210.4	221.2 220.0 218.9 218.0	210./	217.1	211.U	207.0	203.3	202.0	207.3	205.8	207.7	201.8	198.8	198.3	200.3	203.0
75	216.9	218.1	217.2	213.9	210.0	206.3	202.7	199.7	198.9	200.7	203.0	202.6	199.1	195.3	193.9	195.3	197.6
76			216.4		207.8	203.9	200.4	197.3	196.1	197.8	200.3	200.2	196.4	191.8	189.6	190.4	192.4
77	213.4	216.2	215.7	211.1	205.8	201.7	198.3	195.2	193.8	195.4	198.1	198.1	193.9	188.5	185.5	185.7	187.5
78			214.8			199.9							191.7			181.3	183.1
79		_	213.7													177.4	
90	213.9	214.2	212.3	208.2	203.2	198.8	195.6	193.6	193.3	194.7	196.2	194.6	108.4	180.5	175.1	174.1	176.1

KH LAT	<b>-80</b>	-70-	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	40	70	BO BEG
18				220.5 220.6													
20	170.4	189.0	209.9	220.7	219.3	213.7	209.6	207.8	207.4	208.3	210.4	213.3	216.4	219.5	222.0	223.1	223.0
21	173.1	190.6	210.2	220.9	220.2	215.2	211.6	210.2	210.1	210.9	212.7	214.9	217.5	220.0	222.1	222.9	222.7
22 23	178.1 184.7	193.7	211.2	221.1	221.1	217.0	213.8	212.7	212.9	213.7	213.0	216./	218.6	220.7	222.4	223.0	227.6
24	192.5	202.9	214.5	221.3	221.7	270.6	210.4	219.3	213.7	210.3	217.4	270.9	217.0	221.3	277 4	223.1	222.0
25	201.0	208.4	216.7	221.7 222.1	223.4	222.3	220.9	220.4	221.1	221.4	221.8	221.9	227.4	223.4	224.2	223.9	223.0
26	209.8	214.2	219.2	222.B	224.1	223.9	223.2	223.1	223.5	223.9	223.9	223.6	223.7	224.5	225.0	224.4	223.2
27	218.7	220.1	221.9	223.6	224.8	225.3	225.4	225.5	225.9	226.1	225.8	225.3	225.1	225.6	225.9	225.1	223.6
28	227.1	225.9	224.7	223.6 224.6	225.5	224.8	227.6	227.9	228.1	228.1	227.7	226.9	226.5	226.8	226.9	225.8	224.0
29	235.0	231.4	227.7	225.8	226.3	228.2	229.7	230.2	230.2	230.1	229.6	220.7	228.1	220.2	228.1	226.7	224.6
30	242.0	236.6	230.7	227.2	227.3	229.6	231.8	232.6	232.4	232.0	231.4	230.5	229.7	229.6	229.4	227.8	225.3
31	248.1	241.4	233.8	228.9	228.4	231.1	233.9	234.9	234.5	234.0	233.3	232.3	231.5	231.2	230.9	229.0	226.2
32	253.1	245.8	236.9	230.8	229.7	232.7	236.1	237.3	236.7	236.0	235.3	234.3	233.3	233.0	232.5	230.3	227.2
33 34	25/.3	247.6	240.0	232.8	231.2	254.4	238.3	239.7	259.0	238.1	237.4	236.4	235.4	235.0	234.3	231.9	228.5
35	247.0	254 /	245.7	235.0 237.4	235.0	230.3	247.0	242.3	244.0	240.4	237.0	240.0	237.3	23/.1	230.2	233.0	227.7
36	265.2	258.4	248.6	239.9	237.2	240.6	245.5	247.4	246.4	245.2	244.3	243.3	242.3	241.7	240.4	237.4	233.2
37	266.8	240.9	251.2	242.4	239.6	242.9	248.1	250.3	249.4	247.9	246.9	245.8	244.8	244.2	242.9	239.5	235.1
38				245.0													
39				247.5													
40	270.5	265.9	257.7	249.9	247.3	250.6	256.0	258.6	257.9	256.1	254.6	253.4	252.5	251.9	250.2	246.3	241.7
41	271.6	267.1	259.4	252.2	249.9	253.2	258.5	261.3	260.7	258.8	257.1	255.9	255.0	254.4	252.6	248.6	244.0
42				254.2													
43				256.0													
44				257.5													
45				258.7 259.5													
46 47				259.9													
48				259.9													
49				259.5													
50	278.6	269.3	261.5	258.8	260.6	264.5	268.2	270.4	270.5	269.1	267.2	266.0	265.3	264.6	263.3	261.6	260.3
51				257.7													
52				256.3													
53				254.6													
54				252.8													
55 56				250.8 248.7													
50 52				246.5													
58				244.3													
59				242.1													
60	255.1	249.1	243.1	240.0	240.5	242.6	243.9	243.9	244.2	245.4	246.3	245.2	242.9	241.8	243.5	247.5	251.4
61	251.5	246.4	241.0	238.0	238.2	239.9	240.8	240.6	241.0	242.5	243.6	242.4	239.8	238.7	240.7	245.0	247.1
62				236.1													
63				234.3													
64	241.2	238.2	234.8	232.6	232.2	232.5	232.0	231.1	231.9	234.3	235.8	234.1	230.9	227.7	232.2	237.0	241.0
65	238.1	235.7	232.9	231.0	230.5	230.3	229.2	228.1	229.0	231.6	233.2	231.4	228.0	226.9	227.5	234.2	238.1
66	235.1	233.3	231.0	229.4 228.0	228.8	228.1	220.3	223.2	226.1	224.0	230.6	228.7	223.2	224.1	220.0	228 5	233.0
67 68	229.8		227.3	226.5	227.2 225.A	224.0	271.3	219.5	220.4	228.5	225.3	223.4	219.9	218.9	221.4	225.7	228.7
69	227.4			225.1													
70	225.1	225.0	224.5	223.6	222.2	219.8	216.3	213.8	214.5	217.7	219.6	218.0	214.9	214.0	216.4	219.9	222.0
71	222.9	223.3	223.0	222.0	220.4	217.5	213.7	211.0	211.5	214.5	216.7	215.3	212.4	211.7	213.9	216.9	218.6
72	220.8	221.7	221.6	220.3	218.3	215.2	211.2	208.2	208.4	211.3	213.6	212.6	210.0	209.4	211.4	214.0	213.2
73	218.6	220.1	220.2	218.6	216.0	212,7	208.6	205.4	205.2	208.0	210.4	209.8	207.7	207.1	209.0	211.1	211.8
74	216.5	218.6	218.8	216.6	213.6	210.1	206.1	202.7	202.2	204.7	207.2	207.1	205.4	204.9	206.5	208.2	208.5
25				214.6		207.5	203.6	197.9	199.3	201.5	204.2	204.5	203.2	202.8	204.1	203.4	203.3 202 A
76 77		215.6		212.5		204.8	201.3	196.1	190./	194 7	190 /	200 0	199.2	199.9	199.0	200.4	199.B
77 78		214.2		208.3	201.5	200.4	197.9	195.0	193.4	194.4	197.3	198.4	197.7	197.3	197.9	178.3	197.7
79	208.1	211.2	210.8	206.5	201.9	199.0	196.9	194.9	193.8	194.7	196.7	197.4	196.7	196.2	196.5	196.8	194.3
80	208.2	209.7	208.8	205.1	201.2	198.7	197.2	196.1	195.8	196.6	197.6	197.5	196.4	195.6	195.7	196.0	195.9

CONTROL OF THE PROPERTY OF THE

KM L	.AT = -80	-70	-60	-50	-40	- 30	-20	-10	0	10	20	30	40	50	60	70	80 BEG
18 19	196.1 192.8			221.6 221.8													
20	192 5																
21				221.9													
22	197.6	208.7	218.9	222.1	219.9	216.B	214.8	213.4	212.9	213.0	217.3	215.3	214.7	218.1	218 6	212.4	215.7
23	202.2	211.6	219.8	222.3	220.7	218.6	217.3	216.3	215.7	215.8	216.5	217.2	217.7	218.4	218.4	214.8	214.3
24	207.6	215.0	221.1	222.6	221.4	220.3	219.7	219.0	218.5	218.7	219.1	219.1	218.8	218.8	218.3	216.4	213.5
25	213.6	218.9	222.6	223.1	222.2	222.0	222.1	221.7	221.2	221.4	221.6	221.0	219.9	219.2	218.3	215.9	212.7
26	219.9	223.0	224.4	223.7	223.1	223.6	224.3	224.2	223.9	224.1	224.0	222.8	221.0	219.7	218.4	215.5	211.9
27	226.4	227.3	226.4	224.6	224.0	225.2	226.5	224.8	226.6	226.7	226.3	224.6	222.2	220.4	218.5	215.2	211.2
28 29	232.9	231.6	228.6	222.0 222.1 222.3 222.6 223.1 223.7 224.6 225.7 227.1	225.1	228.5	228,7	229.2	229.1	229.2	228.5	226.3	223.4	221.2	218.9	215.1	210.7 210.3
30																	
31	273.7	240.2	233.0	228.7 230.7	227.7	230.3	233.0	234.1	234.1	233.7	232.7	227.7	228.2	223.2	220.1	213.3	210.2
32	254.3	248.3	239.1	232.8	231.6	234.2	237.5	239.0	230.0	238.2	234./ 234.A	231.3	227.5	774 1	221.0	214.5	210.3
33	261.0	252.1	242.0	235.2	233.8	236.4	239.8	241.5	241.7	241.0	238.9	235.3	231.4	227.9	223.4	217.5	211.5
34	265.2	255.6	244.9	235.2 237.8	234.2	238.8	242.2	244.1	244.3	243.4	241.0	237.4	233.5	229.8	225.2	218.8	212.6
35	268.9	258.9	247.9	240.6	238.9	241.3	244.8	246.7	247.0	245.0	243.3	239.6	235.0	232.0	227.1	220.4	214.0
36	272.1	261.9	250.9	243.5	241.7	244.0	247.4	249.4	249.6	248.3	245.6	242.0	230.2	234.4	229.3	222.3	215.0
37	274.8	264.7	253.7	246.5	244.6	246.7	250.0	252.1	252.3	250.9	248.1	244.4	240.8	236.9	231.6	224.5	217.9
38				249.5													
39	279.0	269.3	259.2	252.5	250.7	252.4	255.4	257.5	257.7	256.0	253.0	249.6	246.2	242.3	236.6	229.4	223.0
40	280.5	271.2	261.6	255.4	253.7	255.3	258.0	260.0	260.2	258.5	255.5	252.2	248.9	245.0	239.3	232.2	224.0
41	281.6	272.8	263.8	258.2	256.6	258.0	260.5	262.4	262.6	260.9	258.V	254.8	251.7	247.7	242.0	235.0	229.2
42				260.7													
43				262.9													
44				264.8													
45				266.3													
46 47				267.3 267.9													
48				268.1													
49				267.8													
50	278.8	272.9	268.4	267.1	267.6	268.3	269.0	269.8	270.2	269.5	268.3	266.8	264.4	260.8	257.3	255.6	256.2
51				266.0													
52				264.6													
53				262.8													
54				260.8													
55				258.6 256.2													
56 57				253.8													
58				251.3													
59	256.9	253.7	250.4	248.6	248.7	249.0	248.4	247.2	246.7	247.7	248.8	248.2	245.8	243.8	244.7	249.2	254.6
60	254.0	251.1	248.1	246.3	246.2	246.3	245.5	243.9	243.2	244.4	245.8	245.3	242.B	241.0	242.4	247.3	252.8
61				243.9													
62	248.0	246.1	243.4	241.6	241.2	241.2	239.7	237.3	236.3	237.0	239.7	239.4	236.9	235.6	237.9	243.2	248.7
63	245.1	243.6	241.2	239.3	238.9	238.7	236.9	234.1	233.0	234.6	236.8	236.5	234.1	233.0	235.7	241.2	246.5
64	242.3	241.2	239.0	237.1	236.6	236.2	234.2	231.0	229.6	231.4	233.9	233.7	231.3	230.5	233.5	239.2	244.3
65				234.9													
66			234.7	232.8	232.1	231.4	228.7	224.8	223.3	225.3	228.2	228.2	226.1	223.9	227.6	233.4	237.7
67 68	234.1 231.5	234.1											221.4				
69	228.9	229.4											219.1				
70	224 *	227 ^	224 ^	224.1													
70	220.3	224 5	220.0	221.7	222.0	219 7	214 4	210 4	208 9	211 7	214 4	215.4	214.9	214.4	221.1	224.4	229.3
72	220 0	222 0	221.3	221.7 219.2	217.3	215.2	211.7	207.7	204.4	208.7	211.9	212.9	212.7	214.7	219.6	224.6	227.3
23	218.1	219.3	218.7	214.5	214.3	212.0	208.6	205.1	204.0	206.2	209.2	210.4	210.7	213.1	218.0	222.9	225.5
74	215.1	216.5	216.0	213.7	211.1	208.7	205.7	202.7	201.9	203.8	206.5	207.9	208.7	211.5	216.5	221.2	223.3
75	212.1	213.6	213.2	210.8	207.9	205.4	202.8	200.5	200.0	201.7	204.1	205.5	206.9	210.1	215.1	219.5	221.6
76	208.8	210.5	210.2	207.8	204.8	202.3	200.3	198.7	198.6	200.0	201.9	203.3	205.1	208.7	213.7	218.0	220.1
77	205.5	207.2	207.2	204.8	201.8	199.5	198.1	197.5	197.7	198.7	200.1	201.5	203.6	207.5	212.6	216.8	219.0
78 70	202.0	203.8	204.1	202.0 199.5	199.2	197.3	196.7	197.0	197.6	198.3	198.9	200.1 199.4	202.5 201.8	206.6	211.7	216.1	
80	194.9	196.9	198.1	197.4	196.2	196.0	197.5	199.7	201.1	200.9	199.9	199.9	202.0	206.3	211.6	217.1	224.8

KA LI	AT = ~80	-70	-60	-50	-40	-30	-20	~10	0	10	20	30	40	50	60	70	80 DEG
18	224.B	•	223.0	217.4	210.5				200 8				-	•••			
19	226.3	225.4	222.6	217.5	211.3	206.1	203.4	202.8	202.7	203.0	204.4	207.9	212.1	214.6	213.9	211.4	209.2
20	226.6	225.5	222.7	217.8	212.2	207.8	205.6	205.1	205.0	204.9	206.0	208.8	212.3	214.0	212.8	209.7	207.0
21		226.3	223.2	218.4	213.3	209.7	208.1	207.7	207.4	207.2	208.0	210.1	212.7	213.6	211.9	208.3	205.0
22 23	229.0	227.5	224.0	219.1	214.6	211.7	210.6	210.4	210.1	209.8	210.3	211.7	213.3	213.4	211.2	207.1	203.3
24				220.2 221.5				216.0			212.8	213.5	214.0	213.3	210.6	206.1	201.8 200.7
25	235.2	233.0	228.4	223.1	219.5	218.5	218.8	218.8	218.6	218.4	218.1	217.2	215.6	213.4	209.9	204.8	199.8
26	237.7	235.3	230.4	224.9	221.5	220.9	221.5	221.7	221.5	221.4	220.8	219.1	216.6	213.6	209.7	204.4	
27				227.0				224.6		224.4		221.0	217.6	214.0	209.8	204.4	199.1
28				229.4				227.4					218.7		210.1	204.6	199.3
29	245.B	242.9	237.6	232.0	228.9	228.7	229.7	230.3	230.5	230.4	228.8	225.0	220.0	215.3	`210.6	205.1	199.9
30	248.6	245.6	240.3	234.8	231.7	231.5	232.5	233.1	233.4	233.3	231.4	227.0	221.5	216.3	211.4	205.9	200.9
31	251.4	248.4	243.2	237.8	234.7			236.0									
32	254.1	251.2					238.1	238.8	239.3	239.1	236.6	231.4	224.9	219.0	213.8	208.6	204.0
33 34	256.9	254.0	249.2	244.2	241.2	240.5	241.0	241.6	242.2	241.9	239.2	233.7				210.4	
35	259.7 262.4			247.6 250.9				244.5 247.2								212.6	
36				254.3				250.0					234.1		222.2	217.9	
37				257.7				252.6						230.2		220.9	
38				260.9													
39	272.3	270.0	267.0	264.0	261.4	259.3	258.1	257.7	257.9	257.3	254.5	249.2	242.5	236.0	231.0	?27.7	225.8
40				266.9				260.0					245.3				
41				269.5												235.0	
42				271.8									250.8	245.0	240.8	238.7	
43 44				273.8 275.4			268.7			265.0 266.3		259.0 260.9	253.4 255.6	247.8 250.4	244.0	242.3 245.8	242.2 246.1
45		280.4		276.6								262.6	257.6	252.8	249.7	249.0	249.7
46				277.4								263.9	259.2		252.2	252.0	253.0
47	283.9			277.8									260.4	256.4	254.3	254.6	254.0
48 49	284.1			277.7										257.5	254.0 257.2	256.7 258.4	258.4 260.4
47	284.0	281.3	279.0	277.2	2/3./	2/3.6	2/1.0	207.1	268.3	268./	26/.7	200.4	261.5	236.3	23/.2	238.4	280.4
50	283.6			276.3												259.6	
51	282.8			275.0													
52 53	281.7 280.2		275.5 273.7	273.4	2/1.8	269.9 268.0	267.7	266.0	263.6	266.0	263.3	262.9	259.7 258.3	256.8	258.2 257.6		262.8 262.6
54	278.4			269.1		265.8	263.B	262.3	262.1	262.5	261.B		256.6	255.4	256.6		261.8
55	276.3							260.0		260.3	259.7	257.3	254.6	253.8			260.6
56	273.9							257.5					252.4	251.9			259.0
57	271.3							254.8				252.3	250.0		252.0		257.1
58 59	268.4	264.7		257.8 254.7		255.1 252.1		252.0 249.0	251.8 248.7		251.7	249.6	247.5 245.0	247.6 245.4	250.0 248.0	253.0 251.0	255.0 252.7
	203.3	200															
60	262.1	258.4	254.3	251.4	250.0	249.1	247.5	245.9	245.5	246.0	245.8	244.1	242.5	243.1	245.9	248.8	
61 62	258.7			248.1 244.8													
63				241.4													
64	247.9	244.9	241.0	238.0	237.1	236.B	235.4	233.0	231.7	232.3	233.3	233.1	233.0	234.7	237.9	240.4	240.8
65	244.2	241.4	237.6	234.7	233.8	233.8	232.3	229.7	228.1	228.8	230.2	230.5	230.8	232.8	236.2	238.5	238.7
66	240.4	237.9	234.5	231.4	230.6	230.6	229.2	226.4	224.6	225.3	227.1	228.0	228.7	231.0	234.5	236.7	236.6
67 68	236.6 232.7		230.9	228.0	227.3	227.5	226.2	223.1	221.2	221.9	224.1	222.5	226.7	227.3	232.9	233.0	234.7
69				221.4													
70	224.8			218.1											228.5	230.5 229.1	
71 72	220.7 216.6		217.5	214.8		214.5										227.7	
73	212.4					207.7								219.7		226.3	
74	208.0	208.4		205.0		204.4						208.9	213.1	218.0	222.7	225.0	224.8
25	203.4	204.2	203.4	201.6	200.7	201.2	201.5	200.7	199.9	200.5	203.0					223.8	
76	198.7	199.7		198.3													
77 78	193.7	195.1	195.5			195.5						203.1				221.8 221.3	
78 79	188.5 183.0	190.2	186.8	180.2				198.4								221.5	
80	177.3	179.4	182.1	184.8	187.7	191.5	196.2	200.3	202.3	201.9	201.2	202.6	206.9	212.9	218.6	222.7	224.8

DEC	EM	BE	(
-----	----	----	---

#### ZONAL MEAN TEMPERATURE (K)

KM L	AT = -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80 DEG
18 19	232.7 233.0			218.0 218.7													
20 21				219.6 220.7													
22				222.0													
23	236.7	234.0	229.4	223.5	218.2	214.6	213.0	212.5	211.9	211.2	211.2	212.6	214.6	214.4	209.5	200.8	192.6
24 25	238.1	233.3	230.9	225.3 227.2	220.3	217.1	215.6	215.0	214.5	213.9	213.7	214.7	215.8	214.9	209.5	200.7	192.6
26	241.3	238.9	234.6	229.4	225.0	222.2	220.9	220.3	219.9	219.5	219.2	219.0	218.4	215.8	207.8	201.4	193.9
27	243.2	240.8	236.7	231.8	227.6	224.9	223.6	223.0	222.7	222.4	222.0	221.3	219.7	216.3	210.1	202.1	195.3
28	245.1	243.0	239.1	234.4	230.3	227.7	226.4	225.7	225.5	225.4	224.9	223.6	221.1	216.8	210.6	203.2	197.0
29	247.2	245.2	241.6	237.1	233.2	230.6	229.2	228.5	228.4	228.4	227.8	226.0	222.5	217.4	211.2	204.5	199.1
30	249.4	247.6	244.2	240.0	236.1	233.5	232.0	231.3	231.2	231.4	230.8	228.4	224.0	218.2	211.9	206.0	201.6
31				242.9													
32 33				246.0 249.1													
34				252.3													
35				255.4													
36				258.5													
37 38				261.4 264.3													
39				267.0													
40				269.6													
41 42				271.9													
43				275.7													
44	282.9	282.1	280.1	277.2	274.0	270.7	267.2	264.2	263.1	264.2	265.0	262.4	255.5	247.9	243.7	244.4	247.6
45				278.3													
46 47				279.1													
48				279.7													
49	288.3	286.4	283.1	279.4	276.3	273.6	270.5	267.8	266.8	267.6	267.8	264.9	259.7	255.3	254.1	255.4	258.0
50	288 ▲	284 1	282.7	278.8	225.7	271 1	270 2	247.7	244 8	247 4	267 4	264.2	259.2	255 5	255.1	257.0	259.1
51				277.8													
52	287.5	284.9	280.7	276.5	273.4	271.1	268.6	266.6	266.1	266.6	265.7	261.7	256.9	254.7	255.8	258.5	240.5
53	286.5	283.7	279.2	274.B	271.8	269.6	267.4	265.5	265.3	265.7	264.3	259.9	255.2	253.6	255.6	258.7	260.6
54 55	283.4	280.1	275.3	272.9 270.6	267.5	245.4	263.9	267.2	262.8	263.1	260.9	255.6	251.0	250.6	254.1	250.1	259.9
56	281.3	277.9	272.8	268.0	264.9	263.1	261.6	260.7	261.1	261.4	258.8	253.2	248.6	248.7	252.9	257.3	259.1
57	278.8	275.3	270.1	265.2	262.1	260.4	259.2	258.5	259.1	259.3	256.4	250.6	246.2	246.7	251.5	256.2	258.0
58 59	276.0	272.4	267.1	262.1 258.9	259.0	257.5	256.4	256.1	256.8	257.0	253.9	247.9	243.6	244.7	249.9	254.9	238.6
37																	
60	269.6	265.9	260.5	255.4	252.3	251.0	250.3	250.4	251.4	251.6	248.3	242.5	238.7	240.5	246.4	251.6	253.2
61	265.9	262.3	256.9	251.8 248.0	248.7	247.4	247.0	247.3	248.3	248.5	245.4	237.8	236.4	238.5	244.6	247.8	251.3
62 63		254.5	249.2	244.1	241.0	243.0	240.0	243.7	241.5	241.7	239.1	234.5	232.1	234.8	241.0	245.8	246.9
64	253.6	250.3	245.1	240.1	237.1	236.3	236.3	236.0	237.8	238.0	235.8	231.9	230.2	233.2	239.2	243.8	244.7
65	249.1	246.0	240.9	236.0	233.1	232.4	232.7	233.2	234.0	234.2	232.5	229.4	228.4	231.6	237.6	241.8	242.4
66 67	244.4			231.8	229.1	228.5	228.9	229.4	230.1	230.3	229.1	226.9	226.7 225.1	230.2	236.0	237.8	240.1
68	234.8	236.9	227.9			220.9	221.6	222.0	222.2	222.5	222.3	222.1	223.5	227.6	232.9	235.9	235.9
69	229.7	227.5	223.4	219.3	217.1	217.2	218.1	218.4	218.4	218.6	218.9	219.7	222.0	226.4	231.4	234.0	233.9
7.0	334 -	222 1	216.6	215 1	217 2	217 (	214	214 0	214 4	21.4 0	215 4	217 7	220 4	225 1	220 0	717 1	237.1
70 71	224.6 219.4	217.7	218.9	215.1	209.4	210.1	211.3	211.6	211.1	211.1	212.4	214.9	218.7	223.7	228.3	230.6	230.5
72	214.0	212.6	209.7	210.9	205.7	206.8	208.2	208.4	207.7	207.7	209.2	212.5	217.0	222.2	226.8	229.0	229.2
73	208.6	207.5	205.1	202.7	202.1	203.6	205.3	205.6	204.7	204.5	206.3	210.1	215.2	220.7	225.2	22/.0	228.0
74 75	203.1	202.2	200.4	198.6	198.7	200.6	202.7	203.0	202.0	201.7	203.5	207.7	213.3	219.0	223.5	226.2	227.1
75 76	197.5	191.5	190.9	194.7 190.8	192.3	195.4	198.3	199.1	198.1	197.4	199.1	203.5	209.6		220.5		
77	186.0	185.9	186.0	187.0	189.5	193.2	196.6	197.8	197.0	196.2	197.6	201.9	208.0	214.1	219.2	223.0	225.6
78	180.1	180.3	181.2	183.2	184.8	191.4	195.4	197.1	196.6	195.7	196.8		206.9				
79	174.1	174.6	176.2	179.5	184.3	189.8	194.6	197.1	197.1	196.2	176.8	200.5	200.3	212.8	218.1	222.1	225.0
80	168.0	168.7	171.3	175.9	182.1	188.7	194.4	197.9	198.7	197.8	198.0	201.3	207.3	213.8	218.9	222.3	224.5

14	NUA		
-	N V F	186	

#### ZONAL MEAN PRESSURE (HB)

KM LAT	× -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	40	70	80	BEG
18 19	7.455 6.439	7.465 6.443	7.523 6.479	7.439 6.550	7.766 6.624	7.840 6.657	7.841 6.641	7.813 4.613	7.810 6.608	7.815 6.614	7.750 6.576	7.593 6.458	7.348 6.272	7.083 6.053	6.827 5.818	6.590 5.585	6.408 5.402	+ 1
20	5.563	5.543	5.582	5.621	5.658	5.664	5.438	5.608	5.601	5.604	5.579	5.495	5.355	5.172	4.956	4.729	4.542	
21					4.839													
22	4.158	4.153	4.151	4.151	4.145	4.122	4.087	4.056	4.044	4.043	4.032	3.992	3.913	3.783	3.600	3.390	3.219	
23	3.599	3.592	3.584	3.573	3.556	3.526	3.489	3.459	3.446	3.443	3.437	3.410	3.350	3.239	3.071	2.874	2.712	
24 25	3.11/	3.109	3.09/	3.079	3.054	3.020	2.983	2.755	2.941	2.939	2.935	2.918	2.871	2.776	2.623	2.440	2.289	
26	2.703	2.074	2.0/7	2.03/	2.627 2.263	2.371	2.333	2.328	2.313	2.313	2.311	2.500	2.404	2.381	1 020	1 747	1.440	
27					1.952													
28					1,687												1.187	
29	1.543	1.535	1.519	1.492	1.460	1.426	1.397	1.378	1.370	1.369	1.370	1.366	1.348	1.300	1.213	1.104	1.014	
30 31					1.265													
32					0.955													
33					8.312												5.521	+ 0
34	7.861	7.817	7.697	7.494	7.248	7.007	6.812	4.472	6.650	4.654	6.654	6.609	4.488	6.228	5.785	5.236	4.767	•
35					6.330												4.123	
36					5.536												3.572	
3 <i>7</i> 3 <b>0</b>					4.849													
38 39	4.671	4 114	4.781	1.935	4.253	1.080	3.742	1 174	3.836	3.842	3.833	3.788	3.673	3.530	3.2/4	2.73/	2.691	
3,	44137	4	4.050	3.700	3.733	3.4//	3.731	3.3/0	3,333	3.36,	3.334	3.300	9.217	3.4/3	4.076	2.3/2	2.544	
40	3.652	3.632	3.561	3.435	3.284	3.139	3.025	2.957	2.938	2.944	2.937	2.893	2.810	2.678	2.480	2.239	2.034	
41	3.220	3.210	3.145	3.030	2.891	2.759	2.655	2.593	2.576	2,582	2.575	2.533	2.456	2.337	2.143	1.951	1.774	
42	2.857	2.840	2.780	2.674	2.547	2.427	2.332	2.277	2.262	2.268	2.261	2.222	2.149	2.042	1.887	1.702	1.544	
43					2.247													
44 45	1 001	1 978	1 930	1 848	1.783	1.884	1.806	1.760	1.748	1.734	1.747	1.508	1.450	1.303	1.941	1 114	1 029	
46	1.768	1.755	1.711	1.636	1.548	1.467	1.403	1.366	1.352	1.362	1.358	1.327	1.274	1.201	1.104	0.992	0.877	
47					1.369													
48					1.211													
49	1.242	1.230	1.195	1.137	1.071	1.010	9.764	9.937	0.932	0.936	0.932	0.908	0.845	0.810	0.741	0.665	0.603	
50					0.947		A 081	A 827	A 022	A 033	4 622		0 740	0 710	0 440	A 483	A 528	
30 51					8.370													- 1
52					7.397													•
53	7.766	7,668	7.399	6.984	6.533	6.141	5.851	5.689	5.459	5.488	5.647	5.455	5.142	4.769	4.349	3.908	3.556	
54	6.902	6.807	6.556	6.174	5.766	5.415	5.159	5.018	4.993	5.018	4.974	4.793	4,505	4.169	3.801	3.421	3.117	
55					5.084													
56 57					4.478													
58	4 275	4.194	4.004	3.733	3.460	3.240	1.091	3.430 3.01A	3.002	3.017	2.968	2.823	2.618	2.406	2.200	2.000	1.842	
59	3.782	3.706	3,529	3.281	3.034	2.840	2.711	2.648	2.642	2.649	2.400	2.464	2.278	2.090	1,914	1.746	1.413	
60		3.270	3.106	2.878	2.656	2.485	2.374	2.323	2.319	2.323	2.275	2.148	1.979	1.814	1.663	1.522	1.412	
61	2.950	2.881	2.729	2.521	2.321	2.170	2.076	2.034	2.032	2.034	1.787	1.869	1./16	1.3/1	1 757	1.326	1.234	
62 63	2.295	2.334	2.094	1.027	2.024	1.672	1.578	1.551	1.552	1.551	1.508	1.409	1.286	1.174	1.084	1.004	0.940	
64					1.530										0.939			
65	1.757	1.705	1.596	1.453	1.325	1.238	1.190	1.174	1.177	1.175					0.811			
66	1.535	1.488	1.388	1.259	1.145	1.069	1.030	1.019	1.022	1.019	0.784	0.912	0.827	0.756	0.701	0.655	0.619	
67	1.338	1.294	1.204	1.088	0.987	0.922	0.890	0.881	0.885	0.882	0.851	0.787	0.713	0.651	0.605	0.567	0.537	
88	1.163	1.123	1.042	0.938	0.849	0.793	0./6/	0.761	0./65	0./42	0./34	0.6/8	0.614	106.0	0.322	0.470	0.402	
69	1.008	0.4/2	V.478	0.80/	0.729	V. 68 1	0.637	V. 633	V. 637	0.03/	V.832	V. JOJ	4.328	V.703	0.750	V. 423	V. 7V2	
70	8.712	0.305	7.727	6.915	6.234	5.829	5.657	5.631	5.665	5.444	5.432	5.014	4.538	4.153	3.876	3.652	3.474	- 2
23	7.500	7.208	6.625	5.911	5.324	4.981	4.843	4.826	4.858	4.840	4.659	4.303	3.898	3.571	3.338	3.148	2.997	
72	6.433	6.174	5.660	5.038	4.534	4.247	4.136	4.127	4,154	4.140	3.988	3.687	3.345	3.069	2.873	2.712	2.583	
73	5.495	5.267	4.818	4.280	3.052	3.613	3.524	3.520	3.544	3.532	3.407	3.155	2.968	2.636	2.472	2.536	2.225	
74		4.474	4.086	1.626	3.264	3.069	3.000	2.996	3.013	3.006	2.904	2.476	2.436	1.941	1.827	1.230	1.649	
75 76	3.955 3.330				2.328							1.959	1.795	1.464	1.570	1.489	1.418	
77	2.790	2.666	2.430	2.160	1.960	1.860	1.829	1.826	1.833	1,830	1.779	1.666	1.532	1.425	1.349	1.281	1.220	
78	2.324	2.220	2.025	1.805	1.646	1.570	1.547	1.544	1.548	1.546	1.506	1.415	1.306	1.220	1.159	1.102	1.049	
79	1.924	1.836	1.679	1.503	1.379	1.323	1,308	1.304	1.306	1.305	1,274	1.201	1.113	1.044	0.995	0.748	0.903	
80	1.584	1.513	1.385	1.247	1.153	1,114	1.105	1.102	1.102	1.102	1,077	1.019	0.748	0.894	0.655	0.815	0.774	

(1 MBAR = 100 MENTON/N SQ

FE	2	RI	t A	R	٧

#### ZONAL MEAN PRESSURE (NB)

KN LAT	= -80	- 30	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
18 19			7.505 6.451															+ 1
20 21	4.655	4.697	5.546 4.769	4.846	4.883	4.859	4.802	4.761	4.757	4.767	4.752	4.692	4.593	4.455		4.779		
22 23			4.104 3.535												3.654			
24			3.047												2.675	2.954 2.521		
25 26	2.585	2.604	2.629	2.647	2.639	2.603	2.554	2.518	2.506	2.509	2.509	2.495	2.462	2.398	2.290	2.154	2.036	
27	1.934	1.949	2.271	1.970	1.956	1.923	1.883	1.853	1.842	1.845	1.847	1.837	1.812	1.764	1.483	1.842		
28	1.676	1.689	1.701	1.702	1.688	1.657	1.621	1.594	1.584	1.588	1.589	1.580	1.557	1.514	1.444	1.353		
29	1.453	1.465	1.474	1.473	1.458	1.431	1.378	1.373	1.365	1.368	1.370	1.361	1.339	1.301	1.239	1.161	1.092	
30	1.262	1.272	1.280	1.277	1.262	1.237	1.208	1.186	1.178	1.182	1.183	1.174	1.153	1.118	1.065	0.997	0.938	
31	1.097	1.106	1.112	1.108	1.094	1.071	1.045	1.025	1.019	1.022	1.024	1.015	0.994	0.962	0.916	0.858	0.806	
32 33	9.346 8.319	9.834 B.399	9.677 8.432	9.629 B.379	9.492 8.251	9.288 8.068	7.864	7.707	7.457	8.860 2.691	2.702	7.407	7.412	7.148	7.885 6.794	7.384 6.361	5.978	+ 0
34	7.259	7.331	7.358	7.303	7.183	7.020	4.038	6.698	6.656	6.688	6.696	6.602	6.415	4.172	5.860	5.485	5.154	
35 36	6.342 5.549	4.408	6.429 5.624	6.374	6.263	6.117	5.956	5.832	5.795	5.826	5.831	5.738	5.540	5.336		4.734		
37			4.927															
38	4.264	4.312	4.322	4.274	4.188	4.083	3.971	3.886	3.863	3.888	3.887	3.804	3.455	3.480	3.282	3.058	2.845	
39	3.745	3.789	3.796	3.751	3.673	3.578	3.479	3.404	3.386	3.408	3.405	3.327	3.189	3.027	2.847	2.649	2.478	
40			3.338															
41			2.939															
42 43			2.590															
44	1.991	2.015	2.017	1.988	1.938	1.881	1.828	1.793	1.788	1.801	1.793	1.738	1.645	1.538	1.425	1.310	1.217	
45 46			1.782													1.142		
47			1.374															
48			1.233															
49	1.079	1.091	1.091	1.072	1.040	1.005	0.9/8	0.964	0.766	0.973	0.964	0.924	0.866	0.798	0.730	0.665	0.617	
50			9.453															- 1
51			B.540															
52 53			7.552 6.674															
54	5.876	5.923	5.895	5.757	5.555	5.358	5.221	5.176	5.211	5.247	5.166	4.907	4.520	4.126	3.759	3.448	3.227	
55 54	5.178	5.235	5.202 4.586	5.072	4.888	4,714	4.597	4.561	4.594	4.626	4.548	4.309	3.964	3.607		3.026 2.656		
57	4.060	4.079	4.038	3.922	3.771	3.637	3.551	3.530	3.559	3.581	3.510	3.300	3.026	2.747				
58	3.584	3.595	4.038 3.552	3.442	3.305	3.188	3.116	3.099	3.126	3.144	3.077	2.892	2.438	2.393	2.174	2.044	1.945	
59	3.160	3.165	3.119	3.015	2.892	2.791	2.730	2.717	2.741	2.756	2.693	2.524	2.296	2.081	1.914	1.792	1./13	
60			2.735															
61 62			2.394													1.374		
63	1.885	1.874	1.824	1.744	1.665	1.612	1.585	1.581	1.594	1.598	1.553	1.442	1.300	1.178	1.097	1.049	1.022	
64	1.650	1.637	1.588	1.513	1.444	1.399	1.378	1.375	1.386	1.388	1.347	1.249	1,124	1.019	0.952	0.915	0.895	
65 66			1.379													0.693		
67	1.093	1.076	1.033	0.976	0.929	0.904	0.895	0.895	0.700	0.900	0.871	0.804	0.723	0.457	0.619	0.602	0.595	
68			8.913 7.668													5.226 4.528		- 2
69	8.174	8.038	/.000	7.202	0.040	0.003	0.017	0.047	0.002	8.8/3	6.437	3.763	3.337	4.001	4.020	4.326	4.474	
70	7.064	6.916	6.579	6.165	5.862	5.733	5.706	5.713	5.739	5.730	5.548	5.125	4.607	4.204	3.794	3.918	3.874	
71 72	6.069	5.932	5.629 4.802	5.265	5.007 4.26P	4.905	4.891	4.898	4.917	4.911	4.758	4.399	3.758 3.398	3.610	3.445	3.386 2.923	3.36 <b>0</b> 2.909	
73	4.431	4.320	4.084	3.812	3.631	3.570	3.569	3.573	3.585	3.584	3.481	3.228	2.913	2.674	2.558	2.522	2.510	
74	3.764	3.666	3.462	3.231	3.082	3.037	3.038	3.041	3.050	3.052	2.970	2.759	2.495	2.296	2.202	2.173	2.163	
75 76	3.184 2.682		2.925											1.970		1.872		
<b>7</b> 7	2.249	2.187	2.066	1.937	1.863	1.849	1.852	1.048	1.053	1.863	1.026	1.707	1.555	1.445	1.399	1.386	1.377	
78		1.826	1.727	1.625	1.569	1.562	1.565	1.560	1.564	1.575	1.548	1.451	1.325			1.192		
79																		
80	1.295	1.258	1.174	1.134	1.108	1.111	1.114	1.109	1.112	1.124	1.109	1.044	0.959	0.903	0.884	0.880	0.871	

1 MRAP = 100 MENTOW/N SQ

KN LAT	= -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
18 19	6.931 5.952	7.099 6.097	7.341 6.299	7.591 6.500	7.773 6.634	7.848 6.674	7.845 6.652	7.827 6.623	7.825 6.617	7.811 5.611	7.740 6.565	7.606 6.472	7.440 6.350	7.257 6.208	7.044 6.032	4.803 5.825	4.595 5.644	+ 1
20 21	4.383	4.491	4.635	4.766	5.664 4.839	4.843	4.804	4.768	4.756	4.755	4.738	4.694	4.629	4.541	4.418	4.264	4.129	
22 23	3.760 3.226		3.977	4.084	4.139	4.133	4.094	4.058 3.460	4.045 3.447	4.045 3.448	4.035	4.004 3.421	3.955	3.884	3.780	3.649	3.533	
24 25	2.768	2.842	2.932	3.004	3.036	3.024	2.989	2.957	2.944	2.945	2.943	2.926	2.893	2.642	2.767	2.675	2.593	
26	2.039	2.098	2.166	2.217	2.237	2.227	2.199	2.173	2.161	2.162	2.163	2.151	2.124	2.083	2.028	1.964	1.908	
27 2 <b>8</b>	1.505	1.552	1.604	1.641	1.923	1.649	1.629	1.608	1.599	1.600	1.602	1.591	1.565	1.530	1.489	1.445	1.408	
29	1.294	1.336	1.382	1.415	1.427	1.422	1.405	1.387	1.379	1.380	1.382	1.371	1.346	1.313	1.277	1.240	1.210	
30 31					1.232											1.065		
32	8.262	8.569	8.896	9.121	9.214	9.198	9.104	8.993	8.938	8.952	8.957	8.856	8.637	8.367	8.105	7.875	7.704	+ 0
33 34	7.128	7.403	7.697	7.900	7.987 6.933	7.978	7.902	7.808	7.762	7.775	7.776	7.679	7.473	7.221	6.983	6.781	6.635	
35					6.028												4.930	
36 32	4.610	4.810	5.027	5.179	5,248	5.253	5.214	5.162	5.137	5.144	5.136	5.053	4.889	4.692	4.508	4.358		
38		4.177	3.811	3.938	4.577	4.006	3.982	3.950	3.935	4,498	4.486 3.925	3.853	3.718	3.553	3.394	3.7/1	3.6//	
39	3.017	3.163	3.325	3.442	3.497	3.506	3.487	3.464	3.453	3,455	3.439	3.373	3.250	3.100	2.955	2.836	2.756	
40 41	2.627				3.064													
42	1.999	2.107	2.229	2.319	2.361	2.368	2.362	2.355	2.354	2.352	2.333	2.280	2.191	2.080	1.967			
43					2.076											1.635		
44 45	1.530				1.827												1,375	
46	1.176	1.246	1.329	1.391	1.419	1.424	1.425	1.430	1.435	1.431	1,412	1.374	1.316	1.243	1.165	1.098	1.052	
47 48	1.032		1.170		1.252													
49	7.949	8.471	9.077		9.744												7.103	- 1
50					8.597													
51 52					7.581 6.682													
53					5.885													
54	4.192	4.459	4.793	5.058	5.178	5.202	5.231	5.303	5.360	5.330	5.203	5.011	4.764	4.466	4.152	3.887	3.721	
55 56	3.684 3.236				4.551 3.995											2.987		
57	2.841		3.234	3.415	3.502	3.524	3.552	3.607	3.649	3.625	3.529	3.386	3.208	2.999	2.786	2.614	2.510	
58 59	2.491				3.065											2.285		
60	1.911	2.017			2.335						-					1.739		
61	1.671	1.760	1.876	1.977	2.033	2.058	2.082	2.116	2.137	2.120	2.060	1.970	1.85?	1.730	1.607	1.513	1.460	
62					1.167											1.316		
63 64	1.272				1.533											0.990		
65		1.006	1.061	1,111	3,147	1,171	1,192	1.210	1,217	1.206	1.173	1.120	1.052	0.977	0.908			
66 67	7.249	0.871			9.989 8 18													- 2
68	6.264	8.507	6.80.	.0''					934							5.526		-
69	5.408	5.610	5.846	6.068	6.282	6.489	6.653	6.736	6.738	6.674	6.517	6.234	5.845	5.426	5.052	4.764	4.580	
70					5.380											4.103		
71 72	4.00 <sup>7</sup> 3.439	4.147	4.248	4.440	4.600	4.08?	4.209	4.250	4.235	4.201	4.813	3.960	3.717	3.457	3.225	3.036	2.902	
, 3	2.944	3.042	3.139	3.729	3.346	3.489	3,59"	3.628	3.612	3.586	3.529	3.394	3.188	2.968	2.773	2.608	2.487	
74 75	2.515	2.598	2.676	2.747	2.847 2.418	2.972	3.066	3.089	3.073	3.055	3.014	2.903	2.731	2.546	2.381	2.238	2.130 1.822	
16	1.824	1.063	1,934	1.980	2.051	2.144	2.212	2.224	2.210	2.204	2.185	2.113	1.993	1.866		1.643		
22	1.549	1.599	1.641	1.627	1,737	1.816	1.872	1.880	1.869	1.86?	1.856	1.798	1.699	1.594		1.406		
78 79	1,313	1.355	1.389 1.175	1,419	1,469	1,297	1.335	1.339	1.333	1.336	1.333	1.295	1.228	1.158		1.026		
80	0.940	0.9'0	0.003	1.013	1.048	1.395	1,127	1.131	1.126	1.131	1.129	1.097	1.042	0.985	0.933	0.875	0.022	

(1 MBAR = 100 NEUTON/N SD)

KN LAT	= -80	- 20	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
18 19	6.605 5.625		7.065 6.051	7.372 6.311		7.772 6.615												+ 1
20				5.402	5.560	5.634	5.644	5.627	5-610	5.594	5.568	5.522	5.461	5.407	5.382	5.389		
21 22		4.223	4.433	4.624	4.751	4.804	4.804	4.782	4.764	4.754	4.741	4.711	4.667	4.628	4.613			
23	2.919		3.241	3.389	3.478	3.508	3.499	3.425	1.45R	3.455	3.456	3 443	3.991	1 192	3.734	3.970 3.408		
24		2.609	2.770	2.901	2.979	3.005	2.995	2.972	2.955	2.955	2.959	2.950	2.926	2.906	2.906	2.925	2.948	
25	2.097	2.220	2.366	2.484	2.553	2.577	2.569	2.546	2.531	2.533	2.539	2.531	2.509	2.490	2.492	2.511	2.533	
26	1.777	1.889	2.021	2.127	2.190	2.213	2.207	2.186	2.173	2.175	2.181	2.174	2.153	2.136	2.138	2.157	2.176	
27 28	1.507	1.608	1.726	1.822	1.880	1.903	1.899	1.881	1.869	1.871	1.877	1.870	1.850	1.834	1.036	1.853	1.870	
29	_	1.368		1.341												1.369	1.607	
30	0.923	0.993	1.077	1.148	1.196	1.219	1.220	1.210	1.202	1.204	1.208	1.201	1.184	1.169	1.168	1.178	1.188	
31		0.847	0.921	0.986	1.030	1.053	1.056	1.048	1.041	1.043	1.046	1.039		1.009		1.014		
32	6.697			8.472	8.886	9.107	9.151	9.090	9.038	9.050	9.069	9.004	8.858	8.730	8.695	8.741		+ 0
33 34	5.714	6.176		7.288	7.673	7.886	7.940	7.898	7.857	7.865	7.875	7.814	7.683	7.562	7.519	7.543		
35	4.887	5.286		6.278 5.415														
36	3.592			4.678														
37	3.088		3.698	4.048	4.324	4,493	4.563	4.571	4.563	4.558	4.546	4.502	4,425	4.341	4.278	4.245	4.233	
38	2.660	2.884	3.194	3.509	3.761	3.917	3.987	4.002	3.999	3.992	3.978	3.938	3.872	3.796	3.732	3.692	3.673	
39	2.295	2.490	2.764	3.047	3.276	3.420	3.488	3.509	3.510	3.502	3.485	3.450	3.394	3.324	3.263	3.217	3.193	
40				2.650													2.781	
41				2.309														
42 43				2.015														
44				1.761												1.659		
45				1.350												1.459		
46				1.184												1.285		
47				1.039												1.133		
48	0.661			0.913														
49	0.580	0.629	0.708	0.802	0.884	0.940	0.974	0.997	1.006	0.999	0.984	0.973	0.964	0.945	0.914	0.881	0.860	
50				7.045												7.777	7.586	- 1
51		4.835	5.447	6.190	6.852	7.304	7.588	7.779	7.855	7.792	7.669	2.585	7.520	7.374	7.122	6.860		
52	3.926			5.436														
53 54	3.450	3.721		4.772												5.331		
55	2.664	2.862	3.215			4.385										4.128		
56	2.340		2.813	3.211	3.586	3.850	4.018	4.128	4.169	4.127	4.054	4.011	3.986	3.914	3.774	3.627	3.532	
57	2.055	2.197	2.459	2.807	3.140	3.377	3.526	3.624	3.658	3.620	3.556	3.519	3.499	3.436	3.313	3.183	3.099	
58	1.804			2.452												2.789	2.716	
59	1.582	1.681	1.874	2.138	2.397	2.586	2.704	2.778	2.803	2.772	2.724	2.699	2.685	2.637	2.542	2.441	2.376	
60				1.862														
61	1.214	1.282		1.619											1.939	1.861		
62 63	1.062			1.406											1.690	1.622		
64	0.928			1.055											1.278	1.227		
65				0.912											1.109		1.035	
66	0.614			0.788											0.961	0.923	0.897	
67	5.344			6.796													7.766	- 2
68				5.855													6.715	
69	4.028	4.176		5.038												3.975		
70	3.491	3.614	3.888	4.329	4.860	5.320	5.581	5.648	5.629	5.618	5.637	5.657	5.628	5.523	5.350	5.154	5.001	
71	3.022			3.717												4.440		
72 73		2.699		3.187											3.395	3.279		
/3 74	1.949			2.335												2.810		
75	1.681	1.729	1.829	1,994	2.215	2.420	2.527	2.530	2.506	2.521	2.567	2.598	2.508	2.547	2.484		2.325	
76	1.448	1.488	1.568	1.703	1.885	2.056	2.144	2.143	2.121	2.136	2.180	2.209	2.202	2.169	2.119	2.049	1.981	
77	1.248	1.279	1.343	1.453	1.602	1.743	1.815	1.813	1.794	1.808	1.847	1.874	1.870	1.844	1.803	1.744	1.684	
78	1.074			1.238												1.480	1.427	
79	0.925			1.054												1.252		
80	0.797	0.812	0.842	0.898	0.978	1.056	1.097	1.096	1.086	1.095	1.118	1.133	1.131	1.117	1.074	1.057	1.018	

(1 MBAR = 100 MENTON/H SE

KM LAT	= -80	-70	-60	-50	-40	- 30	- 20	-10	0	10	20	30	40	50	60	70	80	DEG
18					7.481 6.392												7.577 6.521	+ 1
20 21	4.391				5.464 4.672											5.593 4.806	5.609 4.824	
22	3.070	3.325	3.623	3.858	3.997	4.065	4.089	4.085	4.075	4.080	4.093	4.097	4.089	4.087	4.104	4,130	4.150	
23 24	2.565	2.799	2.610	2.813	3.421 2.929	2,979	2.990	2.983	2.976	2.984	3.000	3.009	3.009	3.011	3.027	3.052	3.570	
25	1.795	1.983	2.213	2.400	2.509	2.555	2.544	7.554	2.551	2.559	2.575	2.585	2.585	2.582	2.602	2.626	2.646	
26 27	1.504	1.670	1.875	1.746	2.150	1.885	1.894	1.889	1.884	1.893	1.906	1.914	1.914	1.916	1.928	2.261 1.948	2.280	
28	1.063	1.187	1.347	1.489	1.580	1.622	1.632	1.628	1.626	1.633	1.644	1.651	1.651	1.652	1.662	1.481	1.697	
29	0.897	1.003	1.142	1.269	1.355	1.397	1.408	1.406	1.404	1.410	1,420	1.425	1.425	1.426	1.435	1.451	1.466	
30					1.163												1.248	
31 32	5.444	6.719	0.822 A.992	0.924 7.892	0.999 0.583	1.039 8.927	9.122	1.053 9.138	9.137	9.171	9.222	9.249	9 247	9.255	9.314	9.421	1.098	+ 0
33	4.655	5.190	5.952	6.747	7.383	7.762	7.914	7.940	7.943	7.969	8.009	B.031	8.030	8.039	8.091	8.182	8.270	
34 35	3.976	4.424	5.074	5.775	6.356 5.479	6.720	6.876	6.910	6.915	6.935	6.966	6.984	6.985	4.995	7.040	7.117 6.201	7.192	
36					4.729											5.412		
37					4.088											4.732		
38 39					3.539											4.144	4.179	
-																		
40 41					2.665													
42	1.224	1.335	1.522	1.766	2.020	2.222	2.340	2.386	2.393	2.393	2.398	2.411	2.427	2.444	2.461	2.477	2.491	
43					1.762											2.186	2.196	
44 45		1.011			1.540												1.714	
46	0.711	0.770	0.874	1.019	1.160	1.317	1.403	1.437	1,443	1.442	1.446	1.459	1.475	1.490	1.502	1.511		
47 48	0.623	0.674	0.764	0.891	1.034	1.158	1.237	1.268	1.273	1.272	1.276	1.289	1.304	1,319	1.178	1.338	1.343	
49	0.479	0.517			0.796					0.990			1.020			1.051	1.055	
50	4.210	4.540	5.134	5.988	6.985	7.889	8.481	8.721	8,748	8.736	8.780	8.867	9.022	9.148	9.245	9.311	9.348	- 1
51		3.986			6.131												8.287	
52 53	3.251 2.858				5.380 4.719											7.309 6.471		
54	2.513	2.703	3.042	3.536	4.138	4.715	5.112	5.272	5.280	5.266	5.301	5.384	5.485	5.581	5.663	5.725	5.762	
55		2.375	2.669	3.098	3.625	4.138	4.495	4.639	4.644	4.630	4.663	4.740	4.832	4,921	5.000	\$.061 4.470	5.099 4.507	
56 57	1.941	2.086	2.052	2.373	2.775	3.177	3.464	3.579	3.580	3.567	3.595	3.659	3.736	3.812	3.883	3.943	3.980	
58	1.496	1.607	1.798	2.075	2.424	2.779	3.035	3,137	3.136	3.124	3.150	3.209	3.278	3.347	3.415	3.473	3.511	
59	1.312	1.410			2.115													
60	1.150	1.235	1.376	1.582	1.844	2.117	2.318	2.397	2.394	2.384	2.408	2.454	2.512	2.569	2.630	2.684	2.720	
61 62	1.006	1.082	1.052	1.380	1.396	1.603	1.757	1.817	1.813	1.807	1.829	1.868	1.911	1.958	2.012	2.061	2.094	
63	0.769	0.827	0.918	1.046	1.212	1.392	1.526	1.577	1.573	1.569	1,590	1.625	1.663	1.705	1.755	1.802	1.833	
64 65	0.671	0.722	0.801	0.910	1.052	1.206	1.322	1.365	1.361	1.359	1.195	1.412	1.444	1.482	1.328	1.572	1.396	
66	0.509	0.549	0.607	0.686	0.789	0.902	0.986	1.016	1.012	1.014	1.033	1.059	1.083	1.112	1.151	1.190	1.215	
67					0.682 5.891				0.870 7.453						0.997 8.609	1.032	1.055	
68 69	3.842 3.334	4.152 3.606	4.587 3.980	4.458	5.082	5.764	6.252	6.396	6.372	6.429	6.604	6.781	6.922	7.120		7.721	7.701	•
70	2.891	3.128			4.377										A . 381	6.653	6.813	
71	2.504		2.987	3.327	3.765	4.240	4.562	4.64:	4.625	4.693	4.849	4.984	5.079	5.230	5.475	5.720	5.850	
72	2.168	2.348	2.583	2.869	3.234	3.626	3.884	3.940	3.92?	3.997	4.140	4.257	4.335	4.466	4.685	4.904	5.025 4.296	
73 74	1.876	1.254	1.925	2.124	2.773	2.434	2.799	2.822	2.815	2.831	2.998	5.082	3.133	3.231	3.403	3.573	3.660	
75	1.403	1.517	1.659	1.823	2.028	2.241	2.369	2.382	2.377	2.439	2.542	2.612	2.632	2./3/	2.888	3.034	3.107	
76 77	1.213	1.310	1.428	1.563	1.730	1.902	2.001	2.009	2.006	2.062	2.131	2,206	4.437	2.311	2.442	2.567	2.627	
78	0.906	0.974	1.055	1.144	1.253	1.363	1.424	1,426	1.426	1.469	1.532	1.567	1.584	1.633	1.728	1.815	1.853	
79	0.783		0.906	0.977	1.065	1.153	1.201	1.201	1.203	1.240	1.290	1.316	1.327	1.367	1.444	1.516	1.545	
80	0.677	0.724	0.278	0.836	0.905	0.976	1.013	1.014	1.016	1.047	1.088	1.105	1.110	1,140	1.202	1.259	1.281	

(1 MBAR = 100 NEWTON/M SO)

KM LAT	80	-79	-60	-50	-40	-30	-20	-10	0	10	2 <b>0</b>	30	40	50	60	70	80	DEG
18 19	5.917 4.925	6.309 5.297	6.764 5.736	7.141 6.098	7.424 6.349	7.647 6.523	7.801 6.631	7.858 6.666	7.843 6.651	7.823 6.636	7.828 6.647	7.833 6.667	7.810 6.671	7.774 6.665	7.758 6.671	7.772	7.797 4.725	+ 1
20	4.077	4.431	4.855	5.204	5.432	5.569	5.643	5.664	5.651	5.641	5.657	5.685	5.706	5.718	5.738	5.770	5.801	
21 22	2.773	3.079	4.102 3.461	3.783	3.980	4.071	4.105	4.110	4.103	4.104	4.124	4.158	4.190	4.218	4.248	4.285	4.320	
23	2.287	2.563	2.917	3.222	3.408	3.487	3.510	3.511	3.507	3.511	3.531	3.564	3.597	3.626	3.657	3.694	3.729	
24 25	1.889	1,779	2.456	2.743	2.499	2.990	3.006 2.578	3.004 2.576	3.002 2.575	3.009 2.583	3.029 2.602	3.060 2.630	3.092 2.660	3.121 2.688	3.151 2.717	3.187 2.752	3.221 2.784	
26	1.298	1.485	1.741	1.983	2.139	2.203	2.214	2.212	2.213	2.221	2.239	2.264	2.291	2.317	2.345	2.378	2.408	
27 28	0.904	1.242	1.467	1.685	1.831	1.893	1.905	1.903	1.904	1.913	1.929	1.951	1.976	2.000	2.026	2.056	2.085	
29	0.759	0.875	1.044	1.216	1.341	1.400	1.415	1.415	1.417	1.424	1.437	1.454	1.474	1.495	1.518	1.544	1.567	
30			0.882															
31 32			0.747 0.634															
33	3.915	4.500	5.385	6.375	7.210	7.723	7.934	7.977	7.983	8.019	8.097	8.206	0.337	8.491	0.666	8.845	8.985	+ 0
34 35	3.347	3.039	4.588 3.919	5.439	6.184	6.670	6.887	6.937	6.939	6.968	7.037	7.135	7.255	7.398	7.563	7.725	7.846	
36	2.470	2.820	3.355	3.980	4.565	4.991	5.210	5.267	5.264	5.280	5.334	5.418	5.518	5.644	5.789	5.921	6.008	
37	2.131	2.427	2.879	3.414	3.931	4.326	4.540	4.599	4.593	4.605	4.656	4.731	4.823	4.941	5.076	5.196	5.270	
38 39	1.597	1.812	2.477 2.137	2.528	2.929	3.755	3.462	4.020 3.519	4.013 3.510	4.022 3.516	4.068 3.559	3.623	4.222 3.701	4.332 3.803	4.458 3.922	4.567	4.629	
40	1.388	1.571	1.847	2.183	2.536	2.842	3.029	3.083	3.074	3.078	3.117	3.177	3.249	3.344	3.454	3.543	3.580	
41	1.208	1.345	1.401	1.889	7.199	2.478	2.453	2.705	2.495	2.497	2.734	2.789	2.854	2.944	3.044	3.122	3.145	
42 43	0.921	1.189	1.390	1.423	1.664	1.893	2.327	2.375	2.365 2.078	2.367	2.401	2.457	2.513	2.595	2.690	2.764	2.796	
44			1.054			1.657	1.796	1.837	1.827	1.827	1.856	1.900	1.952	2.022	2.104	2.165	2.189	
45 46			0.921						1.607							1.919		
47			0.806 0.706													1.510		
48	0.478	0.536	0.419	0.723	0.851	0.985	1.079	1.107	1.098	1.098	1.120	1.151	1.188	1.238	1.297	1.341		
49	0.421	0.471	0.543	0.634	0.747	0.866	0.951	0.976	0.968	0.968	0.988	1.017	1.050	1.096	1.150	1.191	1.205	
50			0.477															
51 52			4.193															
53	2.532	2.830	3.243	3.763	4.434	5.183	5.734	5.893	5.831	5.031	5.971	6.170	6.398	6.716	7.102	7.398	7.509	
54 55			2.853														5.916	
56			2.207															
57			1.940														4.646	
58 59			1.497													3.553	4.111	
60			1.313															
61			1.151															
62 63			0.882															
64			0.771														1.911	
65 66		0.597	0.673						0.981							1.619	1.671	
67	0.403	0.453	0.511	0.571	0.651	0.753	0.833	0.854	0.842	0.845	0.873	0.910	0.957	1.033	1.135	1.225	1.268	
68			0.444													1.061 9.162	1.100 9.518	- 2
69			3.855														8.207	- 4
70 71	2,636	2.569	3.342 2.892	3.211	3.611	4.092	3.222 4.44B	4.523	4.46B	4.509	4.675	4.874	5.130	5.574	6.202	7.888 6.768	7.053	
72	1.972	2.221	2.499	2.770	3.103	3.496	3.781	3.834	3.790	3.833	3.977	4.144	4.35B	4.740	5.289	5.786	6.039	
73 74	1.703	1.918	2.157 1.858	2.385	2.661	2.981	3,206	3.243	3.208	3.251	3.376 2.840	3.514	3.491	4.017	4.493 3.802		5.149	
7 <b>5</b>	1.268	1.425	1.598	1.758	1.943	2.152	2.290	2.306	2.285	2.326	2.418	2.508	2.624	2.854	3.203	3.528	3.694	
76	1.093	1.227	1.373	1.504	1.655	1.822	1.930	1.940	1.925	1.963	2.041	2.112	2.202	2.392	2.687	2.764	3.106	
<i>11</i> 78	0.942	1.056 0.90R	1.178	1.205	1.406	1.340	1.825	1.630	1.619	1.655	1.720	1.7/4	1.842	1.47/	1.864	2.059		
79	0.699	0.780	0.865	0.935	1.012	1.097	1.149	1.150	1.146	1.174	1.218	1.245	1.279	1.376	1.541	1.701	1.784	
80	0.601	0.670	0.240	0.797	0.858	0.926	0.966	0.967	0.965	0.989	1.024	1.041	1.062	1.135	1.267	1.376	1.464	

(1 MBAR = 100 NEUTON/H SQ)

KM LAT	= -80	- 20	-60	- 50	-40	- 30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
18	5.616 4.619	6.006 4.997	6.528 5.506	7.033 5.994	7,422 6,347	7.629 6.551	7.832 6.656	7.896 6.697	7.886 6.690	7.852 6.660	7.855 6.624	7.904 6.728	7.947 6.787	7.938 4.805	7.901 6.795	7.894 6.804	7.928 6.841	+ 1
20 21	3.079	3.420	3.892	4.345	5.429 4.646	4.780	4.823	4.839	4.840	4.834	4.849	4.904	4.971	5.012		5.053	5.095	
22 23	2.514	2.826	3.267	3.144	3.978 3.407	3.506	3.518	3.521	3.528	3.532	3.550	3.597	3.659	4.306		4.356 3.252		
24 25		1.939	2.302	2.673	2.919	3.008	3.013	3.012	3.020	3.027 2.598	3.044	3.088	3.145	3.187		3.243		
26	1.166	1.347	1.628	1.932	2.144	2.220	2.220	2.216	2.224	2.233	2.248	2.283	2.330	2.368	2.771 2.392	2.421	2.457	
2 <i>7</i> 2 <b>8</b>	0.976		1.373	1.644	1.838	1.910	1.910	1.905	1.912	1.922	1.936	1.966	2.009	2.044	2.068	2.095	2.128	
29	0.695		0.983	1.192	1.576	1.416	1.419	1.415	1.420	1.428	1.439	1.464	1.498	1.528	1.550	1.574	1.601	
30	0.591		0.834	1.016	1.159	1.220	1.226	1.222	1.226	1.233	1.243	1.265	1.296	1.324	1.345	1.367	1.391	
31 32	0.504				0.994													
33	3.712	4.258	5.193	6.353	0.854	7.836	7.942	7,937	7.955	7.994	8.066	B.221	8.448	8.672	8.853	9.022	9.181	+ 0
34	3.200	3.663	4.458	5.450	6.312	6.771	6.888	6.891	6.903	6.934	6.999	7.139	7.344	7.552	7.725	7.879	8.014	
35 36	2.765				5.436 4.688													
37	2.078	2.371	2.864	3.484	4.050	4.398	4.526	4.545	4.545	4.559	4.607	4.710	4.863	5.030	5.177	5.292	5.374	
38 39	1.806				3.505													
					3.038													
40 41					2.639													
42	1.047				2.001													
43					1.748													
44 45					1.529													
46	0.620	0.709	0.846	1.010	1.124	1.304	1.377	1.395	1.387	1.385	1.405	1.447	1.511	1.590	1.666	1.719	1.740	
47 48	0.546				1.031										1.475			
49	0.424				0.796										1.157			
50					0.699													
51 52	3.306 2.921				6.146 5.400													- 1
53	2.581	2.932	3.453	4.079	4.741	5.326	5.684	5.771	5.718	5.698	5.787	5.985	6.288	6.691	7.114	7.422	7.556	
54 55	2.282	2.587	3.039	3.581	4.160	4.679	5.002	5.081	5.033	5.014	5.093	5.268	5.539	5.904	6.293	6.579	6.706	
56	1.782	2.014	2.351	2.754	3.192	3.598	3.860	3.928	3.889	3.872	3.932	4.069	4.285	4.583	4.911	5.160	5.274	
57	1.573				2.790													
58 5 <i>9</i>					2.436													
60	1.077				1.849										2.950			
61	0.946				1.607	1.816	1.965	2.012	1.994	1.983	2.011	2.079	2.196	2.375	2.587	2.759	2.843	
62	0.830	0.932	1.068	1.221	1.395	1.576	1.707	1.750	1.736	1.726	1.749	1.807	1.910	2.071	2.265	2.423	2.502	
63 64	0.728	0.816	0.932	0.922	1.209	1.180	1.281	1.314	1.308	1.299	1.315	1.357	1.435	1.565	1.725	1.859	1.927	
65	0.556	0.622	0.708	0.800	0.905	1.019	1.106	1.138	1.131	1.124	1.137	1.171	1.240	1.355	1.500	1.623	1.686	
66 6?					0.782									1.171	1.302	1.413		
68	0.366				0.581					0.218				0.86?	0.972	1.063	1.112	
69	3.168	3.542	4.004	4.477	5.002	5.573	6.024	5.204	6.189	6.160	6.206	6.365	6.738	7.432	8.356	9,177	9.625	- 2
70 21					4.299													
71	2.043	2.280	2.569	2.854	3.162	3.484	3.238	3.R41	1.839	3.830	3.853	3.934	4.153	4.593	5.207	5.222	4.104	
73	1.760	1.963	2.210	2.451	2.705	2.971	3.176	3.258	3.259	3.254	3.274	3.337	3.516	3.887	4.414	4,911	5.203	
74 75					2.310										3.725			
26	1.117	1.245	1.396	1.535	1.675	1.818	1.924	1.964	1.966	1.971	1.986	2.014	2.102	2.306	2.618	2.930	3.126	
11		1.068	1.195	1.309	1.422	1.538	1.622	1.653	1.655	1.662	1.676	1.697	1.762	1.924	2.179	2.440	2.609	
78 79	0.821	0.916	0.874	0.950	1.022	1.096	1.149	1.167	1.169	1.178	1.190	1.198	1.230	1.324	1.486	1.663	1.785	
80	0.602	0.671	0.747	0.809	0.866	0.924	967	0.981	0.983	0.991	1.002	1.005	1.024	1.092	1.218	1.361	1.463	

(1 MBAR = 100 NEWTON/M SQ)

K# L	LAT = -80	- 70	-60	-50	-40	- 30	-20	-10	0	10	20	30	40	50	60	20	80	DEG	
1 B 1 9	5.804 4.722	6.173 5.110	6.641 5.602	7.084 6.046	7.444 6.370	7.717 6.584	7.892 6.705	7.951 6.740	7.922 6.714	7.877 4.683	7.877 6.695	7.914 6.742	7.932 6.777	7.899 6.770	6.733	7.787 6.702	7.769 6.694	٠	1
20 21	3.812 3.075		4.715			5.619	5.700	5.719	5.698	5.680	5.699	5.752	5.796	5.804	5.784	5.768	5.767		
22	2.488	2.856	3.966 3.337	3.756	4.00A	4.109	4 138	4.139	4.128	4.836	4.861	4.714	4.763	4,9/9	4,9/1	4.764	4.768		
23	2.026	2.362	2.810	3.206	3.437	3.521	3.536	3.532	3.525	3.527	3.553	3.602	3.649	3.672	3.676	3.679	3.689		
24	1.663	1.963	2.371	2.737	2,951	3.021	3.026	3.019	3.015	3.020	3.045	3.090	3.134	3.158	3.164	3.170	3.181		
25	1.377	1.640	2.004	2.339	2.534	2.595	2.595	2.506	2.584	2.590	2.613	2.653	2.694	2.718	2.726	2.733	2.744		
26 27	1.149	1.377	1.699	1.999	2.178	2.232	2.229	2.219	2.218	2.225	2.246	2.281	2.318	2.342	2.351	2.358	2.368		
28		0.987	1.443	1.465	1.610	1.655	1.451	1.442	1.442	1.914	1.432	1.763	1.777	1 743	1 753	1.740	2.045 1.768		
29	0.699	0.842	1.051	1.256	1.385	1.427	1.424	1.416	1.416	1.421	1.435	1.459	1.486	1.506	1.516		1.529		
30			0.901													1.319			
31			0.774																
32			6.669															+	0
33 34			5.761 4.988														7.537		
35			4.329																
36			3.765																
37	2.236	2.672	3.281	3.868	4.275	4.480	4.549	4.549	4.532	4.536	4.580	4.664	4.274	4.886	4.971	5.008	5.006		
38			2.864																
39	1.710	2.047	2.504	2.930	3.225	3.392	3.465	3.475	3.458	3.455	3.488	3.554	3.642	3.737	3.813	3.844	3.837		
40			2.192						3.027								3.366		
41	1.313		1.922						2.654								2.956		
42	1.152		1.687				2.328		2.330								2.599		
43 44	1.013		1.481			1.978	1.798		1.803						2.006				
45			1.145		1.435				1.588								1.778		
46			1.007						1.401					1.517		1.579	1.569		
47			0.887						1.236							1.394			
48	0.540		0.780						1,091								1.225		
49	0.477	0.571	0.687	0.782	0.852	0.911	0.957	0.972	0.963	0.953	0.956	0.974	1.003	1.041	1.075	1.089	1.083		
50	4.222	5.045	6.043	6.864	7.479	8.020	8.439	8.586	8,503	8.403	8.427	8.578	8.838	9.182	9.498	9.628	9.573	-	1
51	3.738	4.453	5.315	6.024	6.564	7.055	7.443	7.581	7.505	7.411	7.426	7.556	7.786	8.097	8.387	8.512	8.466		
52			4.673																
53			4.106																
54 55			3.606						4,525										
56			2.773						3.977					4.274			4.568		
57	1.790	2.088	2.428	2.703	2.945				3.491					3.750	3.929	4.030	4.033		
50			2.123		2.565				3.060								3.557		
59	1.369	1.609	1.854	2.050	2.231	2.442	2.629	2.704	2.677	2.636	2.631	2.664	2.741	2.873	3.026	3.122	3.135		
60 61	1.220		1.618		1.937				2.339							2.743	2.760		
62	0.937		1.226						1.776										
63	0.818				1.259	1.385			1.544				1.571				1.869		
64	0.713		0.924			1.197	1.301		1.339				1.360			1.611	1.636		
65	0.621		0.800						1.160								1.430		
66	0.539		0.692						1.003							1.221	1.247		
67	0.468 4.051		0.598 5.159						0.865 7.450							1.059 9.167	1.085		,
68 69			4.446						6.402								8.149		•
																	2.031		
70 71	3.025 2.608		3.827 3.291						5.489								6.045		
71	2.246	2.539	2.828	3.330	3.259	3.547	3.859	3.994	4.009	4.004	4.001	3.978	4.014	4,232	4.619	4,989	5.179		
23	1.931	2.183	2.428	2.603	2.790	3.048	3.289	3.401	3.412	3.414	3.415	3.392	3.414	3.593	3.923	4.248	4.420		
74	1.659	1.874	2.084	2.230	2.386	2.600	2.799	2.889	2.897	2.903	2.908	2.886	2.897	3.042	3.321	3.602	3.756		
25	1.423	1.608	1.787	1.909	2.037	2.214	2.377	2.448	2.454	2.463	2.470	2.450	2.453	2.567	2.800	3.042	3.178		
76			1.532														2.677		
22 28			1.312						1.748							2.141	2.245 1.874		
78 79	0.261		0.962		1.066	1.145	1.216	1.240	1.238	1.249	1.263	1.252	1.234	1.265	1.363				
80			0.822																

(1 MBAR = 100 MENTOM/M SQ)

SE	ν	ı	Ē		k	ç	e
J.C.	т	,	c	п	D	C.	n

#### ZONAL MEAN PHESSURE (MB)

KM L	A1 = -80	- 10	- 60	-50	-40	- 30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
1 B 1 9	5.737 4.711	6.007 5.027	6.472 5.508	7.038 6.033	7.523 6.440	7.798 6.647	7.892 6.704	7.906 6.703	7.896 6.689	7.875 6.676	7.862 6.678	7.859 6.693	7.821 6.681	7.706 6.600	7.546 6.476	7.422 6.376	7.374 6.334	+ 1
20			4.685															
21 22			3.985 3.391															
23	2.160	2.471	2.889	3.262	3.477	3.542	3.536	3.521	3.512	3.514	3.532	3.563	3.580	3.561	3.513	3.465	3.439	
24	1.804	2.086	2,464	2.799	2.985	3.036	3.026	3.012	3.006	3.008	3.025	3.053	3.070	3.056	3.017	2.976	2.952	
25	1.517	1.768	2.105	2.402	2,565	2.605	2.594	2.581	2.577	2.581	2.596	2.619	2.635	2.625	2.592	2.557	2.535	
26			1.802															
27			1.545															
28 29			1.327														1.381	
30	0.706	0.825	0.985	1.128	4.210	1.233	1.230	1.225	1.224	1.226	1.232	1.240	1.246	1.242	1.226	1.205	1.188	
31			0.852													1.039		
32			7.375															+ 0
33 34			6.399 5.562															
35			4.843															
36			4.223															
37	2.807	3.198	3.689	4.105	4.373	4.521	4.589	4.601	4.585	4.574	4.578	4.586	4.584	4.558	4.483	4.355		
38	2.473	2.811	3.226	3.574	3.801	3.938	4.009	4.025	4.009	3.996	3.997	4.001	3.997	3.972	3.903		3.660	
39	2.181	2.472	2.825	3.116	3,309	3.435	3.508	3.526	3.510	3.496	3.495	3.496	3.490	3.466	3.403	3.292	3.175	
40	1.924	2.176	2.477	2.721	2.885	3.001	3.073	3.094	3.079	3.063	3.060	3.059	3.051	3.029	2.971	2.868	2.759	
41	1.698	1.917	2.174	2.378	2.519	2.625	2.696	2.718	2.704	2.688	2.682	2.680	2.672	2.651	2.598	2.502		
42 43	1.500	1.690	1.909 1.678	2.082	2.203	2.300	2.369	2.391	2.378	2.362	2.355	2.351	2.342	2.323	1 003	2.185	1.824	
44			1.475														1.593	
45	1.037	1.160	1.298	1.404	1.484	1.557	1.616	1.639	1.629	1.613	1.604	1.597	1.589	1.574	1.536	1.467	1.393	
46			1.142													1.287	1.220	
47			1.005															
48			0.884															
49	6.375	7.042	7.775	8.355	8.847	9.359	9.795	9.981	9.927	9.796	9.495	9.625	9.563	9.455	9.188	8.719	8.233	- 1
50	5.649	6.215	6.837	2.338	2.777	R. 244	8.644	8.818	8 221	8.650	8.552	R.484	R. 426	8.327	8.085	7.665	7.231	
51			6.010															
52	4.432	4.834	5.279	5.651	6.003	6.390	6.724	6.873	6.837	6.734	6.647	6.586	6.535	6.452	6.256	5.924	5.585	
53	3.924	4.260	4.634	4.954	5.269	5.620	5.924	6.060	6.029	5.935	5.855	5.797	5.750	5.674	5.499	5.206	4.909	
54			4.064															
55			3.561															
56 57			2.727															
58	2.102	2.233	2.382	2.528	2.702	2.910	3.089	3.169	3.153	3.103	3.057	3.019	2.983	2,934	2.845	2.704	2.563	
59			2.078															
60	1.621	1,710	1.811	1.916	2.050	2.214	2.356	2.417	2.406	2.3/0	2.332	2.305	2.271	2.231	2.166	2.067	1.966	
61	1.419	1,493	1.522	1.665	1.782	1.928	3.052	2.196	2.096	2.066	2.038	2.009	1.976	1,940	1.886	1.803	1.719	
62			1.371															
63	1.082	1.134	1.191	1.254	1.342	1.454	1.549	1.589	1.583	1.564	1.544	1.519	1.489	1.460	1,422	1.367	1.309	
64	0.943	0.985	1.033	1.086	1.163	1.280	1.342	1.372	1.372	1.35	1,341	1.318	1.290	1.263	1.232	1.187	1.139	
65 66	0.819	0.955	0.895	0.940	0.006	0.944	1.004	1.033	1 0.15	1.1.6	1 007	0.047	0.043	0.940	0 970	1.892	0.770	
67	6.160	6.416	6-695	1.020	510	8.134	B.647	8.849	H. 834	d. 284	8.707	8.525	8.282	8.088	1.430	7.706	2,445	- 2
68	5.328	5.546	5.782	6.059	6.479	2.013	1,443	1.508	1.601	2.573	1.514	7,347	7.120	6.948				
64	4.601	4.288	4.989	5.225	5.584	6.038	6.395	6.529	6.527	6.512	6.424	6.321	6.111	5.958	5,861	5.726	5.552	
10	3.968	4,128	4.299	4.501	4.808	5,191	5.48'	5.592	5.594	5.598	5.56	5.429	5.236	5.101	5.026	4.922	4.780	
21	3.412	3,555	3.702	3.874	4.134	4,456	4.598	4.780	4,783	4. 797	4,778	4.654	4.478	4.359	4.302	4.222	4.105	
.22	2.938	3.059	3.185	3.330	3.550	3,819	4.016	4.072	4.081	4.102	4.092	3.982	3.823	3.719	3.676	3.615	3.518	
?3	2.523	2.629	2.738	2.860	3.045	3.268	3.426	3.471	3.474	3.500	3.497	1.400	3.258	3.168	5.135	3.066	3.007	
24	2.163	2.25?	2.351 2.01 <i>7</i>	2.453	2.60?	2, '91	2.418	2.948	2.950	2.978	2.48!	7.848	2.772	2.694	2.007	2.033	2.364	
75 76	1.852	1.736	2.017	2,191	1 900	2.380	2.480	2.477	2.300	2.328	7 157	2.463	1.994	1.939	1.924	1.901	1.851	
,,,	1.363	1.420	1.480	1.535	1.61?	1.719	1.782	1.784	1.783	1.808	1.822	1.223	1.690	1.640	1.629	1.611	1.546	
78	1.153	1.214	1.266	1.309	1.374	1.457	1.502	1.506	1.502	1.525	1.540	1.500	1.429	1.386	1.327	1.362	1.325	
19	0.982	1.037	1.081	1,114	1.166	1.233	1.273	1.270	1.265	1.286	3.301	1.262	1.207	1.170	1.143	1.150	1,118	
80	9.836	0.885	0.922	0.948	0.988	1.043	1.025	1.071	1.066	1.085	1.094	1.071	1.019	0.987	0.981	0.970	0.943	

(1 MBAR = 100 NEWTON/M 50

O	^	7	n	D	c	۵

### ZONAL HEAR PRESSURE (MB)

KM LAT	= -80	-20	-60	-50	-40	-30	-20	~10	0	10	20	30	40	50	60	70	80	DEG	
18 19	6.207 5.209	4.488 5.505			7.434 6.529													+ 1	
20 21	4.364				5.588											5.165			
21	3.660 3.076	3.758	4.320		4.785											4.420 3.781	4.325		
23	2.595		3.168	3.403	3.515	3.535	3.517	3.494	3.483	3.492	3.508	3.511	3.483	3.421	3.332	3.233	3.152		
24	2.198		2.715	2.922	3.015	3.030	3.013	2.991	2.981	2.988	3.004	3.006	2.982	2.929	2.852	2.763	2.689		
25	1.870		2.330	2.509			2.505								2.441	2.362			
26	1.599	1.786	2.002	2.156			2.221								2.090	2.018	1.954		
27 28		1.536	1.722		1.910								1.881	1.581	1.789	1.723	1.664		
29	1.026	1.146	1.280		1.414									1.357		1.257	1.205		
30	0.892				1.219											1.074			
31	0.778	0.864	0.958	1.021	.1.051	1.063	1.065	1.059	1.055	1.058	1.060	1.051	1.030	1.002	0.965	0.917			
32 33	5.969	/ . 32Y	3 215	7 474	9.078 7.850	7.19/	9.230	7,170	7.134	7.1/4	7.186	7.070	7 477	3 434	9.280	4 700	4 329	+ 0	
34		5.754	6.278	6.618	6.799	6.912	6.966	6.951	6.926	6.934	6.925	6.822	6.635	6.406	6.117	5.744	5.393		
35					5.898														
36					5.124														
37					4.460														
38					3.889														
39		-			3.396	-													
40	2.501				2.971											2.328			
41 42					2.603														
43					2.007											1.516			
44					1.766										1.467	1.319			
45			1.496	1.526	1.555	1.599	1.639	1.654	1.651	1.638	1.610	1.554		1.393		1,149			
46		1.275		1.345	1.321	1.410	1.446	1.461	1.458	1.446	1.419	1.368	1.301			1.003			
47 48					1.209											0.876			
49	0.961 0.852		1.029		0.940											0.671			
50	7 557	7 804	0 010	8 112	8.296	9 551	9 700		9 984	8 797	9 402	8 242	7.814	7.284	4 429	5.882	5.264	- 1	
51	6.690		7.063		7.315	7.543	7.757	7.856	7.847	7.766	7.589	7.284	6.881	6.402	5.816	5.157	4.617	•	
52	5.922	6.090		6.315	6.447	6.651	6.842	6.931	6.924	6.852	6.692	6.419	6.056	5.625	5.102	4.523	4.053		
53	5.237	5.373	5.482	5.559	5.677	5.859	6.029	6.110	6.105	6.040	5.898	5.653	5.327	4.939	4,474	3.967			
54	4.627	4.736	4.824	4.889	4.995	5.157	5.308	5.381	5.377	5.320	5.193	4.975	4.682	4.334		3.479			
55 56	4.083	4.171	1 774	1.270	4.390 3.855	1.001	4.008	4./32	4./27 A 154	4.080	4.368	7.3/4 7 RA1	3 405	3./77	3.435	3.050 2.673			
57		3.223	3.266	3.305	3.380	3.494	3.597	3.646	3.643	3.607	3.521	3.368	3.158	2.909	2.628	2.341			
58		2.829	2.861	2.894	3.380	3.060	3.151	3.192	3.190	3.159	3.085	2.950	2.761	2.540	2.295	2.048	1.857		
59	2.446	2.479	2.504	2.530	2.588	2.677	2.756	2.791	2.788	2.762	2.699	2.579	2.41:	2.215	2.002	1.791	1.628		
60	2.145	2.170	2.188	2.210	2.260	2.338	2.406	2.435	2.432	2.411	2.357	2.252	2.102	1.929	1.744	1.564	1.426		
61			1.910	1.927	1.971	2.040	2.098	2.121	2.118	2.101	2.056	1.963	1.830	1.677	1.518	1.365	1.248		
62					1.717	1.777	1.827	1.844	1.841	1.827	1.790	1.708	1.370	1.406	1.145	1.035	1.091		
63 64	1.432		1.450	1.460	1.297	1.345	1.587 1.377	1 784	1 187	1 374	1 749	1 288	1 194	1.097					
65			1.095	1.101	1.125	1.165	1.193	1.199	1.193	1.188	1.169	1.115	1.033	0.943	0.859	0.782	0.724		
66	0.943	0.949	0.950	0.954	0.975	1.009	1.032	1.034	1.029	1.026	1.011	0.964	0.891	0.814	0.743	0.679	0.630		
67	8.176	8.233	8.231				8.911									5.002		- 2	
68	7.079		7.123	7.136	7.289	7.534	7.680	7.656	7.599	7.599	7.515	7.168	6.610	6.036	5.535		4.748		
69	6.120				6.289											4.405			
70					5.418	5.591	5.674	5.622	5.567	5.586	5.549	5.295	4.872	4.453	4.107				
71	4.551	4.590	4.578	4.571	4.659	4.804	4.863 4.159	4.803	4.751	4.775	4./33	4.340	1.570	3.017	3.332	3.284 2.831	2.661		
72 73	3.914		3.383		3,426	3.523	3.549	3,485	3.440	3,470	3.471	3.319	3.049	2.796	2.605		2.295		
74	2.8/9		2.901		2.929	3.007	3.022	2.960	2.920	2.950	2.957	2.830	2.601	2.389	2.233	2.097	1.977		
75	2.462	2.492		2.465	2.498	2.560	2.567	2.510	2.474	2.503	2.514	2.408	2.215	2.039	1.913	1.802	1.701		
76	2.100	2.129		2.102	2.125	2.174	2.176	2.124	2.093	2.121	2.134	2.046	1.884	1.739	1.637	1.546	1.461		
77	1.787	1.814			1.804	1.841	1.841	1.796	1.770	1.795	1.808	1.735	1.600	1.481		1.326	1.255		
78 79	1.517	1.542	1.536	1.517	1.527	1.33/	1.333	1.31/	1.498	1.284	1.295	1.244	1.152	1.073	1.021				
					1.090														
80	1.083	1.103	1.102		1.070	1.107	1.107	1.004	1.0/1				••••						

(1 MBAR = 100 MENTON/M SB)

NOV			

THE REPORT OF THE PROPERTY OF

#### ZONAL MEAN PRESSURE (MB)

KH LAT	= -80	-70	-60	-50	-40	- 30	- 20	-10	0	10	20	30	40	50	60	70	80	DEG	
18		1.018 6.035											7.539 6.425					•	ŀ
20 21	5.001 4.305	5.189	5.406 4.641		5.679 4.842				5.625				5.475		5.148 4.387	4.975 4.228	4.838		
22	3.709	3.843	3.987	4.087	4.132	4.134	4.109	4.076	4.059	4.063	4.070	4.042	3.980	3.872	3.736	3.589	3.471		
23 24	3.199 2.763	3.311	3.427	3.502			3.502		3.458 2.953		3.468 2.961		3.396 2.899	3.303 2.817	3.180	3.045 2.581	2.935 2.479		
25	2.389	2.467	2.540			2.577			2.528					2.403	2.302	2.187	2.092		
26	2.069	2.134	2.191	2.216	2.217				2.168						1.958	1.853	1.764		
2 <i>?</i> 28	1,795		1.892	1.907					1.863					1.750	1.466	1.569	1.488		
29	1.358			1.420					1.384						1.206	1.126	1.058		
30	1.184	1.213	1.230	1.228	1.219	1.214	1.210	1.203	1.197	1.197	1.194	1.176	1.141	1.091	1.027	0.955	0.894		
31	1.033	1.057	1.020	1.064	1.054	1.050	1.048	1.041	1.037	1.037	1.033	1.014	0.980	0.933	0.875	0.810			
32													8.424						0
33 34	2.913 A.940	2 071	7.097	7.001	7.935 6.905	7.903 A.874	7.890 6.865	A.834	6.810	7.818 6.804	6.750	7.3/6 6.562	7.253 6.254	5.882	5.455	4.988	4.600		
35	6.095	6.202	6.211	6,113	6.020	5.990	5.983	5.959	5.939	5.934	5.876	5.692	5.401	5.059	4.672	4.258	3.915		
36					5.258	5.229	5.223	5.203	5.188	5.182	5.122	4.945	4.672	4.356	4.009	3.641	3.339		
3 <i>7</i> 38			4.780		4.602	4.573	4.567	4.550	4.538	4.532	1.472	4.303	4.048 3.513	3./58	2.948	3.121 2 AB1	2.836		
39	3.674	3.721	3.701	3.618	3.543	3.516	3.508	3.495	3.487	3.480	3.423	3.273	3.054	2.813	2.562	2.308	2.105		
40	3.246	3.285	3.263	3.186	3.117								2.660			1.992			
41			2.880										2.320						
42 43			2.251			2.376	2.383	2.374	2.364	2.362	2.035	1.927	2.027 1.773	1.610	1.450	1.298	1.181		
44			1.992			1.866	1.854	1.843	1.838	1.832	1.792	1.693	1.553	1.406	1.264	1.130	1.028		
45	1.271	1.785	1.765	1.216	1.671	1.649	1.636	1.626	1.621	1.616	1.579	1.489	1.362	1.230	1.104				
46 47	1.572	1.583	1.563	1.519	1.479	1.457	1,445	1.435	1.430	1.425	1.392	1.154	1.196	0.944		0.862			
48	1.239					1.140	1.128	1.118	1.114	1.110	1.083	1.016	0.924	0.828	0.740	0.661	0.603		
49	1.101	1.105	1.089	1.056	1.026	1.008	0.997	0.987	0.983	0.980	0.955	0.895	0.812	0.727	0.649	0.580	0.529		
50						8.918	8.805	8.213	8.676	8.645	8.427	7.889	7.141	6.382	5.695	5.094	4.650		1
51 52	8.478 7.201	8.691	8.545 7.565	8.275	8.033	7.882	7.775	7.688	7.654	7.627	7.432 4.551	6.949 A 118	6.278 5.518	4.919	4.399	3.931	3.597		
53	6.831			6.470		6.147	6.051	5.975	5.946	5.927	5.772	5.383	4.847	4.316	3.852	3.454	3.164		
54			5.916										4.254						
55			5.224										3.731 3.268			2.865			
56 52			4.059										2.860				1.686		
58	3.703	3.671	3.571	3.433	3.318								2.499			1.796			
59	3.264	3.231	3.137	3.011	2.909		2.782		2,721		2.639		2.181			1.522			
60			2.751		2.546				2.377				1.901			1.374			
61 62	2.326		2.409		1,941	1.892	1.850	1.814	1.803	1.801	1.750	1.615	1.438	1.2.8	1.152	1.046	0.967		
63	1.941	1.908	1.83		1.690	1.648	1.609	1.527	1.566	1.565	1.520	1.402	1.248	1.110	1.002	0.912	0.843		
64	1-697	1.665		1.525	1.469		1.398	1.367	1.357	1.35?	1.319	1.216	1.082	0.963	0.871	0.793	0./33		
65 66	1.481		1.391	1.323	1.274	1.242	1.048	1.022	1.013	1.013	0.986	0.910	0.809	0.722	0.656	0.599	0.554		
6.7	1.120			0.991	0.953	0.930	0.905	188.0	0.872	0.873	0.851	0.785	0.699	0.625	0.568	0.519			_
48	9.708		9.028	8.546	8.220	8.020		7.581					6.027 5.191	5.395 4.655	4.918	4.502 3.898			2
69		-	2.784	7.356				6.50'											
70			5 740	6.318	6.072 5.201	5.929		5.573	5.491 4.ARS	5.504 4.400	5.393 4.414	4,998 4,284	4,465 3.836	4.013 3.454	3.6/5	2.915	2.690		
71 72	6.231 5.346				4.444			4.062	3.989	4.004	3.941	3.669	3,291	2.973	2.737	2.510	2.322	!	
23	4.573	4,451	4.206	3.947	3.788	3,704	3.593	3.457	3.590	3.405	3.359	3.136	2.820	2.555	2.359	2.173	2.003		
24	3.900	3.79?					3.056 2.594		2.876	2.891	2.858	2.675	2,413	1.881	2.031	1.614	1,726		
75 26	3.315 2.807	3.229	3.046	2.411	2.731	2.6/3	2.196	2.108	2.062	2.074	2.059	1.938	1.759	1.611	1.502	1.389	1.281		
22	2.367	2.310	2.179	2.035	1,949	1.910	1.856	1.782	1.744	1.255	1,744	1.646	1.500	1.379		1.195			
78	1.987	1.942	1.833	1,712	1.640	1.609			1.475	1.484	1.476	1.397	1,227	1.179		1.028	0.817		
79	1.660	1.625	1.537	1.436									0.925						
80	1.379	1.353	1.282	1.201	1,154	1.138	1.115	1.078	1.058	1.064	1,017	1.004	0.723	V.00	4.013	4., 5			

(1 MBAR = 100 NEWTON/N SQ)

DECEMBER

## ZONAL MEAN PRESSURE (MB)

KM LAT	÷ -80	-70	-60	-50	-40	- 30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
18 19	7.330 6.332	7.384 6.370	7.489 6.441	7.649 6.546	7.826 6.660	7.944 6.728	7.953 6.721	7.898 6.673	7.863 6.646	7.866 6.650	7.832 6.629	7.691 6.528	7.457 6.351	7.190 6.135	6.921 5.896	6.656 5.643	6.440 5.434	+ 1
20 21	5.473	5.497	5.542	5.607	5.674	5.709	5.692	5.650	5.628	5.631	5.616	5.542	5.409	5.233		4.777		
22	4.094	4.100	4.108	4.122	4.841	4.834	4.831	4.794	4.774			4.008		4.464		4.039		
23	3.545	3.544	3.541	3.540	3.539	3.527	3.502	3.472	3.456	3.453	3.445	3.415	3.354	3.250	3.087	2.881		
24	3.072	3.067	3.055	3.043	3.031	3.015	2.990	2.964	2.949	2.945	2.938	2.914	2.865			2.432		
25 26	2.665	2.656	2.639	2.619	2.601	2.582	2.558	2.535	2.521	2.517	2.510	2.491	2.450	2.370	2.232	2.054	1.900	
27	2.011	1.999	1 974	1 949	2.236	1 904	1 004	1 945	2.160	1.850	2.149	2.133	2.097	2.025	1.899	1.735	1.594	
28		1.737	1.714	1.685	1.660	1.640	1.621	1.605	1.595	1.591	1.585	1.571	1.541	1.480	1 175	1.240	1 124	
29		1.512	1.488	1.460	1.435	1.415	1.397	1.383	1.374	1.371	1.365	1.352	1.323	1.267	1.171	1.050	0.948	
30	1.330	1.317	1.294	1.267	1.242	1.223	1.207	1.194	1.186	1.183	1.178	1.165	1.137	1.084	0.997	0.890	0.801	
31	1.161	1.150	1.128	1.101	1.077	1.059	1.044	1.033	1.026	1.024	1.019	1.005	0.978	0.929	0.850	0.755	0.677	
32 33					0.936													
34	7.798	7 704	7 574	7 304	8.150 7.109	4 050	7.864 4.941	4.754	4.711	4.700	7.659	7.525	7.265	6.832	6.198	5.468	4.883	+ 0
35	6.846	6.762	6.598	6.395	6.211	6.071	5.962	5.882	5.844	5.836	5.298	5.670	5.425	5.047	4.540	1.982	3 554	
36	6.019	5.942	5.794	5.606	5.437	5.304	5.204	5.130	5.097	5.092	5.058	4.934	4.698	4.346	3.873	3.414	3.047	
3.7	5.298	5.230	5.095	4.923	4.766	4.645	4.550	4.481	4.452	4.449	4.418	4.300	4.074	3.749	3.345	2.930	2,617	
36 19	4.670	4.609	4.486	4.330	4.185	4.072	3.983	3.919	3.693	3.893	3.865	3.753	3.539	3.238	2.879	2.520	2.253	
•					3.680													
40 41	3.641	3.592	3.492	3.362	3.240	3.144	3.066	3.010	2.988	2.991	2.970	2.872	2.683	2.429	2.144	1.875	1.682	
42	2.852	2.1//	2.08/	2.968	2.857 2.521	2.767	2.695	2.642	2.622	2.626	2.608	2.517	2.342	2.108	1.855	1.623	1.458	
43	2.527	2.493	2.418	2.320	2.227	2.151	2.088	2.042	2.025	2.030	2.272	1.940	1 791	1.534	1 197	1 222	1 102	
44	2.242	2.211	2.143	2.054	1.969	1.899	1.841	1.798	1.782	1.787	1.276	1.706	1.569	1.393	1.215	1.063	0.961	
45	1.990	1.962	1.901	1.819	1,741	1.677	1.624	1.583	1.568	1.574	1.565	1.501	1.376	1.217				
46 47	1.768	1.742	1.686	1.612	1.541	1.483	1.433	1.396	1.382	1.387	1.380	1.322	1.207	1.064	0.924	0.809	0.733	
48	1.3/2	1.348	1 779	1 247	1.364	1.311	1.263	1.231	1.218	1.223	1.217	1.164	1.060	0.931	0.807	0./0/	0.642	
49	1.243	1.223	1.180	1.123	1.070	1.025	0.987	0.957	0.946	0.951	0.747	0.904	0.818			0.542		
50	1.106	1.087	1 047	0.994	0.947	0.907	0.877	0 845	0.835	0 8 T P	A 915	۸۹۲ ۸	0 719	0 627	0.542	0.476	0 477	
51					8.382													- t
52	8.753	8.588	8.248	7.814	7.415	7.086	6.796	6.572	6.490	6.529	6.493	6.165	5.540	4.814	4.163	3.662	3.342	
53					6.556													
54 55					5.791													
56					5.111 4.506													
57					3.967													
58	4.286	4.171	3.958	3.705	3.488	3.317	3.167	3.053	3.017	3.038	3.001	2.803	2,481	2.151	1.879	1.672	1.534	
59	3.792	3.605	3.488	3.257	3.062	2.910	2.778	2.678	2.647	2.665	2.628	2.447	2.161	1.874	1.642	1.465	1.345	
60					2.684													
61 62					2.348													
63		2.207			1.786													
64	2.005	1.932	1.805	1.664	1.553	1.472	1.404	1.355	1.343	1.353	1.323	1.213	1.061	0.926	0.825	0.746	0.687	
65					1.347													
66					1.165													
67 68					1.006									0.599		0.426		
69					0.743									0.447				
20	8.644	8.255	7.589	6.882	6.362	6.028	5.768	5.578	5.539	5.584	5.445	4.967	4.350	3.851				- 2
?1	2.433	7.090	6.503	5.882	5.432	5.150	4.932	4,771	4.736	4.775	4.659	4.256	3.736	3.318				
72 73					4.624													
73	4.620	4.395	4.008	3.605	3.926 3.324	3.167	3.041	2.944	2.918	2.940	2.879	2.651	2.351	2.110	1.940	1.785	1.644	
25	3.909	3.717	3.385	3.042	2.806	2.675	2.578	2.497	2.472	2.490	2.442	2.256	2.009	1.811	1.670	1.539	1.420	
76	3.292	3.129	2.848	2.558	2.363	2.258	2.181	2.114	2.091	2.106	2.068	1.917	1.714	1.552	1.436	1.326	1.225	
77					1.984													
78 79					1.662													
80					1.158													
		. 407	1.302	1.233	1.130	1.127		· · · · · · · · · · · · · · · · · · ·		1.00	. 734	V. 707	V. 1V4	V. 031	V. / 60	V., 20	/	

(1 MBAR = 100 NEUTON/M SO

KM L	_AT = -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
19			1.152													1.110		- 1
20	8.318	8.359	8.512	8.793	9.116	9.349	9.437	9.453	9.487	9.512	9.402	9.090	8.674	8.330	8.142	8.070	8.042	- 2
21 22			7.308 6.272															
23	5.313	5.328	5.384	5.480	5.580	5.640	5.650	5.642	5.648	5.656	5.617	5.499	5.327	5.147	4.988	4.849	4.742	
24 25			4.622													4.081		
26	3.398	3.399	3.411	3.435	3.455	3.458	3.443	3.425	3.415	3.410	3.398	3.364	3.300	3.197	3.054			
27	2.931	2.929	2.934	2.944	2.952	2.946	2.929	2.910	2.898	2.893	2.886	2.866	2.820	2.732	2.597	2.440	2.311	
28 29			2.525															
30 31			1.875											1.713		1.479		
32			1.399															
33			1.211															
34 35			1.049 9.104													0.782 6.699		- 3
36			7.911															•
37			6.885													4.950		
38 39	6.106	6.075	6.002 5.240	5.881	5.731	3.579	5,455 4 728	5.377	5.346	5.344	3.347	5.333	5.265	4 322	4.719	4.267 3 ARA	3.890	
40 41			4.583															
42	3.585	3.572	3.523	3.433	3.318	3.204	3.112	3.052	3.039	3.039	3.033	3.400	2.948	2.836	2.642	2.393	2.181	
43	3.151	3.140	3.096	3.013	2.908	2.802	2.717	2.666	2,650	2.651	2.644	2.616	2.563	2.463	2.294	2.078	1.893	
44	2.774	2.766	2.726	2.650	2.552	2.455	2.376	2.329	2.315	2.316	2.309	2.283	2.232	2.143	1.996	1.807	1.645	
45 46	2.161	2.440	2.404 2.124	2.334	1.976	1.894	1.827	1.787	1.775	1.777	1.772	1.749	1.705	1.633	1.517	1.373	1.246	
47	1.912	1.908	1.879	1.820	1.743	1.668	1.606	1.569	1.558	1.561	1.557	1.535	1.475	1.429	1.326	1.196	1.085	
48 49	1.695	1-691	1.664	1.610	1.540	1.471	1.414	1.380	1.370	1.373	1.370	1.351	1.314	1.253	1.160	1.044	0.946	
• 7																		
50	1.337	1.334	1.311	1.266	1.207	1.149	1.101	1.072	1.064	1.068	1.067	1.052	1.019	0.968	0.892	0.799	0.721	
51 52	1.190	1.187	1.166	1.124	1.070	1.017	0.973	0.947	0.939	0.943	0.944	0.930	0.900	0.852	0.783	0.700	0.631	
53	9.458	9.427	9.245	6.687	8.440	7.996	7.631	7.407	7.348	7.392	7.406	7.291	7.028	6.618	6.044	5.378	4.832	- 4
54	8.444	8.411	8.240	7.912	7.502	7.098	6.765	6.561	6.509	6.552	6.568	6.460	6.213	5.833	5.313	4.719	4.236	
55 56	7.543 A.741	7.509	7.348 6.554	7.045 A 274	6.671	6.303	6.001 5 325	5.816	5.770	5.157	5.827	5.725	4.850	4.525	4.105	4.143	3.717	
57	6.027	5.990	5.846	5.587	5.275	4.973	4.726	4.576	4.540	4.577	4.586	4.488	4.278	3.981	3.606	3.197	2.870	
58	5.389	5.351	5.214	4.974	4.689	4,416	4.194	4.060	4.029	4.062	4.066	3.969	3.769	3.497	3.165	2.809	2.525	
59			4.649															
60	4.307	4.267	4.143	3.936	3.698	3.476	3.299	3.194	3.172	3.196	3.188	3.090	2.911	2.687	2.432	2.167	1.959	
61 62			3.689 3.283															
63			2.918		2.567	2.407	2.286	2.219	2.208	2.219	2.193	2.095	1.947	1.785	1.623	1.464	1.339	
64	2.736		2.591		2.266	2,122	2.018	1.962	1.953	1.960	1.930	1.834	1.696	1.552	1,414	1.282		
65 66	2.437 2.169	2.397	2.297	2.150 1.895	1.754	1.868	1.778	1.731	1.725	1.523	1.487	1.397	1.280	1.168	1.231	1.121		
67	1.928		1.797		1.538	1.437	1.371	1.341	1.340	1.339	1.302	1.217	1.109	1.011	0.928	0.855	0.798	
68	1.711	1.672		1.464	1.345	1.255	1.200	1,177	1.177	1.175	1.138	1.058	0.960	0.874	0.804	0.745	0.698	
69	1.515	1.478	1.395	1.282	1.173	1.074	1.048	1.031	1.032	1.029	0.993	0.919	0.831	0.755	V.67/	V.04/	V.81V	
70	1.340	1.304	1.225	1.120	1.021	0.951	0.912	0.900	0.903	0.899	0.865	0.797	0.718	0.652	0.602	0.562	0.531	
71 72	1.182	1.148	1.074	0.975 0.847	0.885	0.824	0.792	0.784	0.788	0.784 0.487	0.752	0.597	0.534	0.363	0.521	0.422	0.462	
73	9.137	8.825	8.176	7.340	6.604	6.134	5.923	5.895	5.941	5.909	5.648	5.162	4.623	4.189	3.880	3.642	3.465	- 5
74	7.995	7.704	7.104	6.340	5.679	5.270	5.099	5.087	5.134	5.104	4.878	4.456	3.989	3.613	3.346	3.143	2. <b>992</b>	
75 76	6.970	6.702	6.152 5.308	5.459	4.870	4,515	4.376	4.375	1,420	4.397	4.202 3.410	3.304	3.439 2.962	2.684	2.884	2.333	2.380	
77	5.231	5.011	4.562	4.008	3.552	3.290	3.195	3,201	3.236	3.223	3.090	2.835	2.546	2.309	2.139	2.008	1.912	
78	4.497	4.303	3.905	3.418	3.022	2.798	2.719	2.722	2.750	2.741	2.634	2.424	2.183	1.984	1.840	1.729		
79			3.327															
80	3.264	3.120	2.821	2.460	2.172	2.013	1.954	1.946	1.957	1.951	1.887	1.749	1.585	1.450	1.356	1.285	1.230	

#### ZONAL MEAN DENSITY (KG/R CU)

KM LAT	<b>a</b> -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	60	DEG
18 19	1.102 0.951	1.122	1.162	1.221	1.282	1.325	1.346	1.356	1.364	1.363	1.335	1.275	1.201	1.137	1.096	1.073	1.060	- 1
20 21	8.197	8.331	8.584	8.920	9.232	9.420	9.491	9.537	9.611 8.055	9.648	9.519	9.181	8.732	8.324	8.043	7.877	7.786	- 2
22	6.073	6.152	6.305	6.499	6.657	6.722	6.720	6.720	6.754	6.778	6.721	A.555	A. 320	A. 078	5.862	5.485	5.560	
23			5.401	5.549	5.659	5.690	5.668	5.654	5.673	5.688	5.650	5.540	5.378	5.193	5.002	4.820	4.681	
24		4.536			4.816	4.823	4.789	4.747	4.774	4.782	4.757	4.687	4.580		4.267			
25 26	3.862	3.895 3.346	3.966	4.051	4.102	4.094	4.055	4.027	4.026	4.030	4.014	3.972	3.902		3.641			
27	2.857	2.876	2.919	2.967	2.986	2.963	2.922	2.893	2.885	2.884	2.878	2.847	2.840		3.108			
28	2.459		2.507						2.450					2.372				
29	2.117	2.129	2.155	2.180	2.183	2.158	2.122	2.096	2.086	2.084	2.084	2.083	2.071		1.937			
30	1.823	1.834	1.854	1 872	1 971	1 044	1 012	1 700	1.779	1 770		1 170						
31	1.572			1.609	1.605	1.581	1.551	1.529	1.520	1.520	1.521	1.522	1.771	1.483	1.000	1.330	1 247	
32	1.356								1.301									
33	1.171	1.179	1.189	1.193	1.185	1.165	1.141	1.123	1.116	1.117	1.119	1.118	1.110	1.085	1.037	0.972	0.914	
34 35	1.012		1.027	1.029	1.021	1.003	0.981	0.965	0.959	0.960	0.962	0.960	0.951	0.929	0.889	0.834	0.785	
36	7.591	2.657	2.203	7.691	7.609	7.444	7 294	7 157	B.247 7.107	7 127	7 147	7 109	7 004	7.737 A R24	4 533	/.136 A 147	3 794	- 3
37									6.134									
38	5.723	5.779	5.807	5.781	5.708	5.596	5.459	5.345	5.304	5.327	5.343	5.295	5.185	5.034	4.821	4.544	4.287	
39	4.980								4.595									
40	4.340	4.388	4.405	4.375	4.313	4.224	4.116	4.022	3.989	4.010	4.022	3.970	3.865	3.736	3.574	3.368	3.177	
41 42	3.789	3.832	3.846	3.816	3.759	3.680	3.583	3.499	3.469 3.024	3.489	3.499	3.448	3.347	3.227	3.083	2.703	2.735	
43		2.937							2.641									
44	2.546		2.586	2.561	2.517	2.461	2.393	2.333	2.312	2.327	2.332	2.287	2.203	2.107	1.998	1.867	1.749	
45	2.237	2.266	2.274	2.251	2.211	2.160	2.099	2.046	2.029	2.042	2.046	2.004	1.926	1.834	1.734	1.615	1.509	
46 47		1.995	2.002	1.982	1.945	1.899	1.845	1.799	1.784	1.796	1,798	1.760			1.508			
48	1.735	1.759			1.513					1.398			1.482	1.403		1.213		
49	1.354	1.374	1.380		1.338					1.237			1.149	1.080	1.001	0.915		
50 51									1.088					0.950				
52									8.581									- 4
53	8.366	8.497	8.556	8.468	8.261	8.004	7.770	7.634	7.630	7.690	7.661	7.433	7.022	6.499	5.909	5.314	4.852	
54									6.789					5.730				
55 56	6.607 5.876								6.041 5.375					4.450				
57	5.227								4.781						3.525			
58	4.651	4.724							4.249					3.444	3.098	2.782	2.552	
59	4.138	4.201	4.227	4.169	4.037	3.886	3.775	3.741	3.772	3.807	3.761	3.592	3.328	3.024	2.722	2.452	2.257	
60									3.345					2.651				
61 62	3.275 2.912								2.963									
63	2.588		2.611						2.312				1.959	1.769	1.608	1.481	1.376	
64	2.298	2.318	2.307	2.249	2.163	2.080	2.026	2.016	2.038	2.053	2.007	1.880	1.707	1.541	1.406	1.305	1.238	
65	2.039								1.793				1.486	1.340		1.148		
66 67	1.808	1.815							1.574		1.539		1.291	1.164	0.933	1.009		
48	1.416	1.413							1.208			1.082			0.812			
69	1.250								1.055					0.757				
70	1.102	1.093	1.058	1.006	0.957	0.926	0.913	0.912	0.919	0.918	0.886	0.814	0.727	0.656	0.613	0.592	0.584	_
71	9.689	9.575	9.227	8.725	8.287	8.033	7.939	7.945	8.000	7.977	7.680	7.046	6.284	5.670	5.313	3.159	5.106	- 5
72 <b>73</b>	7.478	7.297	6.941	6.520	6.170	6.000	5.943	5.984	6.016	5.982	5.747	5.266	4.693	4.238	3.986	3.893	3.075	
74	6.475	6.341	6.021	5.615	5.304	5.166	5.148	5.172	5.197	5.163	4.959	4.546	4.053	3.662	3.448	3.373	3.362	
75		5.490	5.193	4.823	4.550	4.437	4.432	4.457	4.476	4.444	4.271	3.919	3.498	3.163	2.980	2.918	2.911	
76	4.855	4.735	4.464	4.133	3.893	3.801	3.803	3.826	3.841	3.814	3.670	3.373	3.015	2.729	2.574	2.522	2.516	
77 78	4.174 3.568	4.066	3.823	3.531	3.323	3.247	3.252	3.271 2.782	3.282 2.790	2.779	3.143 2.688	2.483	2.273	2.023	1.913	1.878	1.875	
7 <b>9</b>		2.952	2.772	2.554	2.403	2.350	2.349	2.354	2.359	2.355	2.288	2.120	1.905	1.735	1.647	1.621	1.617	
80				2.162														

KB LA	r = -80	- 70	-60	-50	-40	. 30	- 20	-10	0	10	50	30	40	50	60	70	80	DEG
18	1.077 0.930	1.104	1.149	1.208	1.265	1.308	1.334	1.349	1.553	1.343	1.311	1.262	1.209	1.161	1.118	1.077		- 1
20	8.001				9.171				9.524									- 2
21 22	6.876 5.903				7,799				7.985							6.812 5.822	6.600 5.627	
23	5.053		5.341						5.637								4.796	
24	4.341	4,433	4.573	4,215	4.80?	4.812	4.780	4.754	4.751	4.742	4. 221	4.677	4.625	4.550	4.422	4.248		
25	3.720		3.915		4.091	4.08?	4.950	4.021	4.014	4.011	3.995	3.970	3.939	3.885	3.780	3.630	3.493	
26 27	3.187	2.791	2.872	2.944	3.488	3.4//	1.438	3.409	3.400	3.397	3.389	3.375	3.356	3.315	3.229	2.653	2.987	
28	2.338	2.392			2.542	2.527	2.494	2.466	2.886 2.455	2.454	2.453	2.449	2.439	2.412	2,730	2.269		
29	2.002	2.050	2.109	2.156	2.173	2.159	2.129	2.104	2.093	2.092	2.093	2.090	2.080	2.057	.2.009	1.941	1.878	
50									1.782							1.661	1.611	
31									1.529							1,421		
32 33									1.310							1.215		
34									0.966									
35	7.922	8.168	8.422	8.589	8.654	8.624	0.515	8.384	8.31?	8.335	8.364	8.305	8.150	7.959	7.780	2.616	7.485	- 3
36									2.171									
3.7 38	5.841	6.038	6.239	6.371	6.429	6.419	6.344	6.245	6.193 5.358	6.211	6.233	6.173	6.024	5.850	5,704	5.589	5.505	
3.4	4.324	4.483	4.645	4,754	4.804	4.808	4. '58	4.685	4.645	4.659	4.625	4.619	4.486	4.333	4.207	4.116	4.053	
40	3.720	3.821	4.01?	4,112	4.16?	4.172	4.131	4.069	4.035	4.048	4.059	4.006	3.883	3.241	3.624	3.538	3.481	
41			3.481	3.5/3	3.620	3.627	3.594	3.542	3.513	3.524	3.532	3.482	3.369	3.238	3.128	3.047	2.993	
42					3.151				3.066							2.628		
43	2.412	2.517			2.748	2.157	2.736	2.701	2.681	2.688	2.691	2.648	2.555	2.445			2.221	
45		1.90		2.069	2.104	2.111	2.373	2.029	2.066	2.070	2.067	2.031	1.957	1.865	1,779		1.660	
40	1.586	1.665							1.821						1.554		1.439	
4.1									1.608						1.361		1.251	
48 49		1.277	1.351	1.405	1.432	1.438			1.422	1.422	1.415	1.386	1.333	1.265	1.195	1.133	1.090	
50									1.120									
51 52	8.174 2.193								9.956 8.861							2.668 6.756	7.315	- 4
53		6.760							7.890									
54	5.588				6.904	6.919	6.930	6.982	7.028	7.005	6.893	6.700	6.422	6.057	5.642	5.262	4.999	
55			5.692						6.258									
56			5.041						5.570 4.954									
58			3.947						4.400									
59	3,000	3.216	3.487	3.698	3.780	3. ? "8	3.790	3.849	3.903	3.884	3.788	3.649	3.477	3.263	3.027	2.824	2.696	
60	2.649	2.837	3.027	3.26	5.441				3.457							2.488	2.380	
61		2.50!		2.881		2.947			3.056							2.189	2.098	
63	2.052	2.202		2.536	2.597	2.597			2.697								1.623	
54		7. 701		1.952	2.003	2.002	2.012	2.055	2.088	2.073	2.009	1.919	1.813	1.691	1.568	1.475	1.424	
65			1.607		1.254	1.760	1,221	1.804	1.032	1.818	1.760	1.679	1.584	1,475	1.368	1.288	1.246	
5.6	1.236		1.404		1.532				1.605							1.123	1.088	
6.7 68		0.998	1,224	1.127	1.336				1.225						0.099	0.850	0.825	
69	0.831		0.926		1.009				1.068							0.737	0.716	
10	1.262	1.585	8.032	8.453	8.240	8.909	9.058	9.218	9.293	9.181	8.876	8.430	1.885	2.294	6.261	6.391	6.206	- 5
21		6.598	6.956	1.300	1.557	7. 232	7.891	8.026	8.073	2.970	7.708	7.320	6.838	6.318	5.855	5.534	5.370	
72	5.513	5.730	6.016	6.293	a .521	6.706	6.863	6.976	7.001	6.906	6.685	6.350	5.925	5.469	5.068	4.788	4.640	
23 24	4.789	4.968	5.194	3.415	5.616	5.802	5.757	5 234	6.058 5.230	5 154	5.790	5.503 4.243	4.439	4.092	3.291	3.574	4.004	
75	3,589	3.712	3.852	3.988	4,142	4.314	4.456	4.512	4.501	4.439	4.320	4,117	3.836	3.53	3	3.087	2.973	
26	3.092	3.197	3.307	3.413	3.546	3.705	3.834	3.882	3.861	3.809	3.718	3.551	3.312	3.054	2.830	2.663	2.550	
27									3.297								2.198	
'8 '9	2.273	2.349	2.420	2.485	2.580	2.705	2.801	2.824	2.800 2.363	2.772 2.34A	2.319	2.241	2,454	1.948	2.104	1.974	1.616	
									1.978									
80	1.64	1.07	1.747	1.792	.60/	1,734	.773			1.471	. 780							

1.09	KM LA	17 = -80	-70	-40	-50	- 40	- 30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
20	-																		- t
2.5   2.5	19	0.930	0.937	0.962	1.006	1.055	1.093	1.116	1,129	1.132	1.123	1.100	1.069	1.037	1.008	0.988	0.979	0.977	
22 5.898 5.991 6.791 6.792 6.214 6.234 6.354 6.354 6.359 6.367 6.369 6.369 6.368 6.348 6.355 6.349 6.349 6.319 6.3																			- 2
1.54																			
1.595   1.646   1.992   3.790   4.094   4.09																			
1,010   3,130   3,223   3,388   1,444   3,453   3,455   3,445   3,400   1,937   3,196   3,188   3,127   3,159   3,158   3,157   3,185   2,187   2,28	-																		
2.7																			
1.614   1.702   2.915   2.114   2.132   2.134   2.135   2.110   2.096   2.097   2.093   2.098   2.097   2.197   2.143   3.144   3.145   3.14		2.545	2.662	2.796	2.897	2.944	2.946	2.426	2,902	2.887	2.885	2.888	2.885	2.874	2.865	2.859	2.887	2.908	
1.534   1.629   1.234   1.698   1.841   1.845   1.825   1.895   1.791   1.774   1.804   1.802   1.787   1.779   1.790   1.815   1.838   1.176   1.12		2.150	2.262	2.387	2.477	2.516	2.517	2.497	2.472	2.457	2.458	2.464	2.463	2.452	2.444	2.452	2.474	2.497	
1.176   1.186   1.187   1.18	•	1,010	1.720		2.110	2.132	2.134	2.133	2.110	2.076	2.076	2.107	2.103	2.073	2.003	2.073	2.117	2.143	
1.095																			
1.0	•																		
1.     1.			0.993	1.069	1.125	1.156	1.166	1.158	1.140	1.130	1.134	1.142	1.137	1,121	1.111	1.118			
5.62   6.08   6.590   7.010   7.293   7.424   7.411   7.086   7.298   7.285   7.285   7.255   7.114   7.010   7.041   7.152   7.257																			
																			- 3
3,487   3,248   4,097   4,414   4,643   4,729   4,726   4,726   4,736   4,736   4,736   4,736   4,737   4,736   4,736   4,736   4,737   4,736   4,737   4,736   4,737   4,736   4,737   4,736   4,737   4,736   4,737   4,736   4,737   4,736   4,737   4,736   4,737   4,73				5.617	6.004	6.266	6.399	6.401	6.320	6.262	6.281	6.314	6.262	6.136	6.042	6.052			
1.00			4.390	4.793	5.144	5.390	5.522	5.536	5.475	5.427	5.442	5.465	5.416	5.303	5.214	5.211			
1	39	3.457	3.743	4.097	4,414	4.643	4.772	4.795	4.750	4.213	4.723	4.738	4.693	4.593	4.510	4.496	4.733	4.575	
2																			
1.638 2.016 2.229 2.439 2.603 2.704 2.744 2.745 2.735 2.734 2.797 2.700 2.466 2.599 2.550 2.552 2.521 2.521 41 41 1.590 1.500 1.607 1.938 1.924 2.000 2.101 2.110 2.100 2.098 2.073 2.367 2.317 1.791 1.795 1.921 1.905 1.921 1.925 1.921 1.925					3.267	3.463	3.579	3.614	3.596	3.575	3.578	3.501	3.545	3.470	3.400	3.369			
1,599   1,737   1,925   2,114   2,264   2,358   2,399   2,404   2,379   2,397   2,390   2,319   2,267   2,227   2,203   2,191   5					2.819	2.499	2.704	3.146	7.744	2.735	2.734	2.729	2.700	2.646	2.763	2.550			
1,194   1,299   1,448   1,601   1,725   1,804   1,843   1,557   1,859   1,655   1,845   1,625   1,783   1,725   1,711   1,680   1,641	44	1.599	1.237	1.925	2.114	2.264	2.358	2.398	2.404	2.399	2.392	2.390	2.365	2.319	2.267	2.227	2.203	2.191	
1,035   1,728   1,226   1,226   1,226   1,227   1,228   1,22		1.380	1.500	1.667	1.838	1.974	2.060	2.100	2.111	2.110	2.106	2.098	2.075	2.037	1.991				
No.			1.128	1.260	1.398	1.725	1.804	1.621	1.857	1.859	1.637	1.626	1.608	1.581	1.545				
1.00	48	0.900	0.981	1.099	1.224	1.326	1.392	1,428	1.446	1.451	1.447	1.436	1.420	1.397	1.365	1.328	1.295	1.274	
51 0.599 0.455 0.739 0.831 0.907 0.957 0.987 1.005 1.013 1.008 0.977 0.986 0.972 0.950 0.920 0.891 0.871    52 5.249 5.743 6.449 7.325 8.015 8.466 8.744 8.927 9.005 8.940 8.849 8.748 8.452 8.441 8.165 7.890 7.706 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	49	0.784	0.856	0.961	1,074	1.166	1.226	1.260	1.279	1.286	1.281	1.270	1.256	1.237	1.208	1.173	1.141	1.120	
51 0.599 0.455 0.739 0.831 0.907 0.957 0.987 1.005 1.013 1.008 0.977 0.986 0.972 0.950 0.920 0.891 0.871    52 5.249 5.743 6.449 7.325 8.015 8.466 8.744 8.927 9.005 8.940 8.849 8.748 8.452 8.441 8.165 7.890 7.706 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	50	0.485	0.748	0.842	0.944	1.028	1.082	1.114	1.133	1,141	1.136	1.125	1.112	1.096	1.071	1.038	1.007	0.987	
53         4.608         5.044         5.14         6.463         7.090         7.500         7.757         7.933         8.010         7.965         7.857         7.761         7.666         7.500         7.249         6.976         6.483         6.206         6.401         5.556         5.894         6.895         7.517         7.726         7.765         7.761         7.666         7.766         7.666         7.765         7.666         7.766         7.666         7.766         7.666         7.761         7.666         7.761         7.666         7.761         7.761         7.666         7.761         7.761         7.761         7.666         7.761         7.761         7.761         7.666         7.761         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.666         7.761         7.661         7.661         7.661         7.6	-	0.599	0.655	0.739	0.831	0.907	0.957	0.987	1.005	1.013	1.008	0.997	0.986	0.972	0.950	0.920	0.891	0.871	
54         4,052         4,435         5,031         5,270         6,275         6,484         6,889         7,051         7,126         7,082         6,977         6,899         6,809         6,644         6,438         6,206         6,051           55         3,567         3,193         4,435         5,041         5,556         5,894         6,1195         6,1075         6,1175         6,047         5,217         5,577         5,366           56         3,143         3,463         3,903         4,435         4,631         4,812         4,947         5,009         4,967         4,805         4,808         5,259         5,075         4,885         4,759           58         2,445         2,664         3,028         3,409         3,484         4,104         4,204         4,309         4,445         4,264         4,303         3,301         3,393         3,306           59         2,157         2,345         2,664         3,005         3,444         3,490         3,447         3,304         3,304         3,324         3,304         3,303         3,303         3,303         3,303         3,303         3,303         3,304         3,444         3,409         3,447         3,24		5.249	5.743	5.494	7.325	8.015	8.466 7.500	8.744	9.927	9.005	8.960 7.965	8.849 2.857	8.744 7.741	8.632	8.441 2.500	7.249	7.890 4.994	7.706 6 825	- 4
55         3,567         3,793         4,432         5,041         5,556         5,894         6,112         6,268         6,339         6,296         6,115         6,047         5,921         5,721         5,507         5,366           56         3,143         3,463         3,909         4,452         4,919         5,226         5,424         5,579         5,537         5,244         5,368         5,598         5,075         4,813         4,219           59         2,721         3,028         3,467         3,849         4,101         4,264         4,390         4,447         4,405         4,318         4,219         4,137         3,990         3,848         3,776         3,891         3,992         3,802         3,66         3,734         3,663         3,531         3,306           60         1,903         2,084         2,089         2,999         3,205         3,441         3,443         3,449         3,441         3,490         3,441         3,491         3,492         3,441         3,491         3,441         3,491         4,286         2,934         2,914         2,641         2,828         2,950         3,044         3,048         3,047         2,942         2,934         2		4.052	4.435	5.031	5.707	6.275	6.648	6.885	7.051	7.126	7.082	6.977	6.890	6.809	6.664	6.438	6.206	6.051	
57         2,771         3.025         3,440         3,930         4,353         4,631         4,812         4,947         5.009         4,967         4,875         4,808         4,761         4,666         4,502         4,331         4,219           59         2,145         2,664         3,028         3,467         3,89         4,101         4,268         4,390         4,447         4,405         4,218         4,258         4,219         4,137         3,990         3,836         3,736           60         1,903         2,063         2,341         2,689         2,999         3,205         3,341         3,444         3,490         3,451         3,324         3,264         2,999         3,205         3,341         3,444         3,490         3,451         3,344         2,989         2,920         4,947         4,966         2,721         2,880         2,775         2,244         2,644         2,257         2,345         2,345         2,621         2,586         2,521         2,464         2,587         2,461         2,288         2,990         2,365         2,335         2,342         2,246         2,588         2,521         2,586         2,521         2,588         2,521         2,681		3.567	3.903	4.432	5.041	5.556	5.894	6.112	6.268	6.339	6.296	6.195	6.115	6.047	5.921	5.717	5.507	5.366	
58         2.445         2.664         3.028         3.467         3.849         4.101         4.266         4.390         4.447         4.405         4.318         4.258         4.219         4.137         3.990         3.836         3.736           59         2.157         2.345         2.644         3.055         3.400         3.628         3.777         3.891         3.942         3.902         3.663         3.734         3.663         3.531         3.393         3.306           60         1.679         1.814         2.055         2.363         2.641         2.882         2.950         3.044         3.084         3.047         2.976         2.934         2.612         2.584         2.584         2.561         2.686         2.721         2.681         2.584         2.584         2.521         2.462         2.232         2.247         2.612         2.884         2.521         2.462         2.353         2.247         2.601         2.584         2.584         2.582         2.218         2.247         2.601         2.884         2.521         2.988         2.521         2.462         2.382         2.247         2.667         2.651         2.653         2.247         2.202         2.959		3.143	3.436	3.905	4.452	4.919	5.226	5.424	5.570	5.63/	4.947	3.4Y/ 4.875	3.424 4.808	4.761	4.444	4.502	4.885	4.739	
59		2.445	2.664	3.028	3.467	3.849	4.101	4.266	4.390	4,447	4.405	4.318	4.258	4.219	4.137	3.990	3.836	3.736	
61	59	2.157	2.345	2.664	3.055	3.400	3.628	3.777	3.891	3.942	3.902	3.820	3. '66	3.734	3.663	3.531	3.393	3.306	
61	60	1.903	2.063	2.341	2.689	2.999	3.205	3.341	3.444	3,490	3.451	3.374	3.326	3.301	3.239	3.121	2.998	2.920	
1,394 1,399 1,578 1,816 2,038 2,190 2,290 2,365 2,395 2,362 2,304 2,272 2,259 2,218 2,134 2,046 1,993 1,148 1,226 1,379 1,588 1,786 1,786 1,786 1,787 2,012 2,079 2,104 2,074 2,074 2,072 1,995 1,985 1,949 1,873 1,795 1,748 1,010 1,004 1,304 1,386 1,562 1,685 1,765 1,823 1,845 1,817 1,772 1,749 1,741 1,709 1,642 1,572 1,531 1,010 1,004 1,386 1,562 1,685 1,765 1,823 1,845 1,817 1,772 1,749 1,741 1,709 1,642 1,572 1,531 1,010	•	1.679	1.814	2.055	2.363	2.641	2.828	2.950	3.044	3.084	3.047	2.976	2.934	2.914	2.860	2.754	2.644	2.575	
64         1.748         1.226         1.379         1.588         1.786         1.923         2.012         2.079         2.104         2.074         2.024         2.074         1.985         1.985         1.949         1.873         1.775         1.748           65         1.010         1.024         1.204         1.366         1.562         1.885         1.823         1.885         1.897         1.772         1.772         1.741         1.709         1.642         1.572         1.531           66         0.887         0.939         1.050         1.208         1.363         1.474         1.546         1.596         1.614         1.589         1.550         1.531         1.375         1.338           67         0.788         0.821         0.915         1.051         1.187         1.287         1.351         1.395         1.409         1.387         1.334         1.338         1.325         1.474         1.162         1.169           69         0.682         0.717         0.789         0.977         0.087         1.028         1.058         1.066         1.051         1.169         1.165         1.142         1.095         1.048         1.019           70																			
66		1.148	1.226	1.379	1.588	1.786	1.923	2.012	2.079	2.104	2.074	2.022	1.995	1.985					
67 0.728 0.821 0.915 1.051 1.187 1.287 1.351 1.355 1.409 1.387 1.387 1.387 1.334 1.308 1.255 1.201 1.169 0.682 0.717 0.796 0.913 1.033 1.122 1.179 1.216 1.227 1.209 1.182 1.169 1.165 1.142 1.095 1.048 1.019 0.597 0.625 0.692 0.792 0.897 0.977 1.028 1.058 1.058 1.056 1.051 1.030 1.020 1.015 0.995 0.955 0.913 0.888 1.019 0.977 1.028 1.058 1.0		1.010	1.024	1.204	1.386	1.562	1.685	1.765	1.823	1,845	1.817	1.772	1.749	1.741					
68		0.887	0.939	1.050	1.208	1.363	1.474	1.546	1.576	1.614	1.589	1.550	1.537	1.325					
69 0.597 0.625 0.692 0.792 0.897 0.977 1.028 1.058 1.066 1.051 1.030 1.020 1.015 0.995 0.955 0.913 0.888  20 5.214 5.450 6.004 6.858 7.775 8.489 8.939 9.186 9.241 9.123 8.964 8.889 8.843 8.660 8.311 7.954 7.734 - 5  21 4.549 4.745 5.209 5.933 6.731 7.367 7.763 7.960 7.993 7.903 7.791 7.737 7.691 7.526 7.228 6.924 6.731  22 3.963 4.129 4.515 5.128 5.818 6.384 6.729 6.881 6.896 6.892 6.761 6.726 6.680 6.532 6.280 6.023 5.855  33.448 3.587 3.911 4.426 5.022 5.522 5.821 5.934 5.935 5.893 5.8		0.682	0.717	0.776	0.913	1.033	1.122	1.179	1.216	1.227	1.209	1.182	1.169	1.165					
71         4,549         4,745         5,209         5,933         6,731         7,763         7,763         7,960         7,993         7,793         7,761         7,237         7,691         7,526         7,226         6,724         6,731           72         3,963         4,1515         5,128         5,818         6,384         6,729         6,881         6,896         6,832         6,761         6,761         6,680         6,532         6,280         6,023         5,855           3,448         3,587         3,911         4,426         5,022         5,822         5,935         5,935         5,893         5,893         5,793         5,662         5,625         5,237         5,090           74         2,994         3,114         3,384         3,816         4,327         4,768         5,025         5,105         5,095         5,065         5,061         5,016         4,702         4,292         4,590         4,423           75         2,596         2,700         2,925         3,225         3,122         4,172         3,716         3,726         3,756         3,756         3,749         3,657         3,837           76         2,247         2,337         2,524				0.692	0.792	0.897	0.977	1.028	1.058	1.066	1.051	1.030	1.020	1.015	0.995	0.955	0.913	0.066	
71         4,549         4,745         5,209         5,933         6,731         7,763         7,763         7,960         7,993         7,793         7,761         7,237         7,691         7,526         7,226         6,724         6,731           72         3,963         4,1515         5,128         5,818         6,384         6,729         6,881         6,896         6,832         6,761         6,761         6,680         6,532         6,280         6,023         5,855           3,448         3,587         3,911         4,426         5,022         5,822         5,935         5,935         5,893         5,893         5,793         5,662         5,625         5,237         5,090           74         2,994         3,114         3,384         3,816         4,327         4,768         5,025         5,105         5,095         5,065         5,061         5,016         4,702         4,292         4,590         4,423           75         2,596         2,700         2,925         3,225         3,122         4,172         3,716         3,726         3,756         3,756         3,749         3,657         3,837           76         2,247         2,337         2,524	20	5.214	5.450	6.004	4.858	7.775	8.489	8.939	9.186	9.241	9.123	8.964	8.889	8.843	8.660	8.311	7.954	7.734	- 5
73		4.549	4.745	5.209	5.933	6.731	2.367	7.763	7.960	7.993	7.903	7.791	7.737	7.691	7.526	7.228	6.924	6.731	
74         2.994         3.114         3.384         3.816         4.327         4.768         5.025         5.105         5.093         5.071         5.065         5.061         5.016         4.902         4.227         4.550         4.423           75         2.596         2.700         2.925         3.285         3.722         4.107         4.378         4.358         4.350         4.350         4.369         4.374         4.336         4.237         4.096         3.950         3.837           76         2.247         2.324         2.182         3.529         3.712         3.742         3.716         3.720         3.756         3.775         3.740         3.657         3.544         3.424         3.327           77         1.942         2.019         2.174         2.423         2.736         3.022         3.774         3.167         3.157         3.169         3.245         3.219         3.513         3.622         2.887           78         1.674         1.740         1.868         2.073         2.336         2.577         2.701         2.701         2.671         2.686         2.741         2.777         2.762         2.709         2.637         2.554         2.480 </td <td></td> <td>3.963</td> <td>4.128</td> <td>4.515</td> <td>5.128</td> <td>5.818</td> <td>6.384</td> <td>6.729</td> <td>6.881</td> <td>6.896</td> <td>6.832</td> <td>6.761</td> <td>6.726</td> <td>6.680</td> <td>6.532</td> <td>6.280</td> <td>6.023</td> <td>5.855</td> <td></td>		3.963	4.128	4.515	5.128	5.818	6.384	6.729	6.881	6.896	6.832	6.761	6.726	6.680	6.532	6.280	6.023	5.855	
75						4.327	4.768	5.025	5.105	5.093	5.071	5.065	5.061	5.016	4.902	4.729	4.550	4.423	
76     2.247     2.337     2.524     2.824     3.196     3.529     3.712     3.742     3.716     3.720     3.756     3.775     3.740     3.657     3.544     3.424     3.327       77     1.942     2.019     2.174     2.423     2.736     3.022     3.174     3.186     3.157     3.169     3.216     3.245     3.219     3.151     3.060     2.962     2.877       78     1.674     1.740     1.888     2.073     2.336     2.577     2.701     2.671     2.686     2.741     2.777     2.762     2.709     2.637     2.554     2.480       79     1.441     1.495     1.600     1.769     1.987     2.187     2.285     2.278     2.248     2.265     2.322     2.365     2.362     2.324     2.266     2.195     2.129					3.285	1.222	4.107	4.326	4.378	4.358	4.350	4.369	4.376	4.336	4.237	4.096	3.950	3.839	
78						3.19A	1.529	3.712	3.742	3.216	3.720	3.756	3.775	3.740	3.657	3.544	3.424	3.327	
79 1.441 1.495 1.600 1.769 1.987 2.187 2.285 2.278 2.248 2.265 2.322 2.365 2.362 2.324 2.266 2.195 2.129						2.736	2.577	2,701	2,701	2.671	2.686	2.741	2.777	2.762	2.709	2.637	2.554	2.480	
80 1.236 1.279 1.364 1.503 1.682 1.845 1.921 1.908 1.880 1.896 1.952 2.002 2.012 1.988 1.940 1.877 1.817						1.987	2.187	2.285	2.278	2.248	2.265	2.322	2.365	2.362	2.324	2.266	2.195	2.129	
	80	1.236	1.279	1.364	1.503	1.682	1.845	1,921	1.908	1.880	1.896	1.952	2.002	2.012	1.988	1.940	1.877	1.817	

THE STATE OF THE PROPERTY OF T

KM	LAT = -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	DE6
18 19	1.085	1.100	1.122	1.156	1.208	1.268	1.316	1.340	1.345	1.340	1.322	1.287	1.242	1.203		1.168		- 1
20 21	7.984 6.741	8.112	8.272 7.087	8.489 7.276	8.794 7.499	9.125 7.730	9.365 7.894	9.460 7.953	9.459 7.943	9.419	9.331 7.854	9.166 7.750	8.964 7.624	8.806 2.530	8.725 7.488	8.685 7.468		- 2
22 23	5.652	5.853	6.063	6.237	6.397	6.551	6.659	6.694	6.681	6.657	6.624	6.563	6.489	6.438	6.420	6.413	6.399	
24	3.926	4.165	4.413	4.577	5.462 4.662	4.725	4.762	4.768	4.755	4.746	4.744	4.733	4.713	4.703	4.709	5.502 4.717		
25 26					3.990 3.413											4.042		
27	2.249	2.465	2.703	2.860	2.920	2.929	2.923	2.911	2.902	2.908	2.923	2.933	2.934	2.936	2.949	2.966	2.978	
28 29	1.869	1.731	1.935	2.440	2.499	2.505	2.494	2.480	2.473	2.480	2.497 2.136	2.508 2.147	2.509 2.147	2.510	2.523	2.541	2.555	
30	1.296	1.451	1.634	1,769	1.829	1.837	1.825	1.811	1.806	1.815	1.830	1.839	1.838	1.838	1.848	1.844	1,882	
31 32	1.083	1.217	1.379	1.504	1.564	1.575	1.565	1.552	1.548	1.557	1.570	1.578	1.576	1.574	1.583	1.600		
32					1.337											1.374		
34	0.639	0.722	0.829	0.922	0.977	0.996	0.994	0.987	0.985	0.991	0.999	1.002	0.998	0.996	1.002	1.015	1.027	
35 36					8.357 7.148											8.735 7.531	8.850	- 3
37	3.861	4.342	5.004	5.654	6.118	6.340	6.389	6.370	6.365	6.395	6.430	6.432	6.403	6.385	6.419	6.503	6.590	
38	3.281	3.680	4.241	4.812	5.241	5.464	5.528	5.522	5.520	5.543	5.567	5.566	5.540	5.526	5.555	5.625	5.699	
39					4.495													
40					3.860 3.321				4.173 3.638								4.284	
42					2.867											3.212		
43	1.510	1.667	1.913	2.205	2.472	2.654	2.742	2.771	7.778	2.780	2.780	2.778	2.773	2.773	2.785	2.808	2.833	
44	1.302		1.643	1.899					2.433				2.431		2.442	2.460	2.478	
46	0.976	1.069	1.223	1.419	1.614	1.760	1.839	1.869	1.877	1.877	1.876	1.877	1.880	1.885	1.891	1.900	1.910	
47 48	0.848 0.739			1.232					1.652					1.664			1.482	
49	0.645		0.800	0.934	1.076				1.286					1.305	1.309	1.311		
50	0.564	0.612	0.698	0.817	0.944	1.046	1.106	1.131	1.137	1.137	1.139	1.144	1.151	1.158	1.161	1.163	1.163	
51 52	0.494 4.332		0.610 5.346		0.829 7.296								1.022				1.032 9.176	- 4
53	3.807		4.689						7.907							9.173		- •
54	3.351			4.842					7.015							7.279		
55 56	2.952	3.185 2.805	3.622	4.260 3.748					6.226 5.526				5.678			6.486 5.780	6.479 5.776	
5?	2.29?	2.472	2.805	3.299	3.880	4.404	4.743	4.883	4.904	4.895	4.914	4.970	5.045	5.108	5.141	5.150	5.149	
58 59	2.027	2.180 1.923	2.470	2.902 2.552					4.350 3.856				4.480 3.973			4.586		
																3.629		
60 61		1.495			2.645				3.415							3.024		
62					2.037		2.569	2.665	2.667	2.646	2.652	2.693	2.750	2.800	2.836	2.860		
63 64	1.083				1.785										2.507	2.533		
65		0.898	1.003	1.160	1.364	1.580	1.747	1.819	1.816	1.796	1.801	1.833	1.877	1.917	1.951	1.979	2.000	
66					1.190								1.646	1.683	1.716	1.745	1.767	
67 68		0.692			0.904								1.260	1.291	1.321	1.350	1.372	
69	0.493				0.787								1.100	1.127	1.156	1.185	1.206	
70	0.430	0.464	0.515	0.587	0.684	0.793	0.880	0.914	0.910	0.904	0.914	0.935	0.958	0.982	1.010 8.804	1.038	1.059	- 5
71 72					5.944											7.926		- 3
73	2.830	3.072	3.418	3.873	4.476	5.152	5.658	5.826	5.798	5.818	5.953	6.117	6.254	6.419	6.657	6.909	7.081	
74 75		2.671	2.974	3.365	3.877 3.352	4.445	4.856	4.979	4.955	4,994	5.135	5.286	5.400	5.547	5.772	6.012		
75 76		2.011	2.241	2.526	2.891	3.282	3.543	3.598	J.580	3.642	3.785	3.910	3.992	4.112	4,313	4.523	4.650	
77	1.591	1.741	1.940	2.180	2.485	2.806	3.009	3.041	3.026	3.093	3.230	3.344	3.415	3.526	3.715	3.909 3.368		
28 79	1.375 1.189	1.504		1.875 1.605	2.127 1.811	2.389	2.144	2.148	2.136	2.615	2.317	2.408	2.468	2.568	2.733	2.892		
80	1,028	1.120	1.234	1.365	1.531	1.701	1.796	1.794	1.783	1.840	1.943	2.025	2.083	2.179	2.332	2.474	2.541	

KM LAT	= ~80	-70	-60	-50	~40	-30	-20	-10	0	10	20	30	40	50	60	70	80	DE 6
18 19	1.088	1.114	1.135	1.155	1.192	1.250	1.306	1.335	1.338	1.333	1.325	1.305	1.269	1.229	1.200	1.184		- 1
20 21				8.474 2.260	8.692 7.424	9.023	9.320 2.821	9.445 7.954	9.418 7.922	9.358	9.315	9.244	9.115	8.968	8.861	8.802 7.578	8.772	- 2
22	5.490	5.780	6.052	6.218	6.347	6.508	6.653	6.707	6.676	6.635	6.623	6.618	6.593	6.556	6.531	4.519	6.511	
23 24	4.506	4.817	5.129	5.322 4.551	5.432	5.538	5.632	5.664	5.639 4.223	5.609	5.608	5.620	5.619	5.609	5.603	5.604		
25			3.653	3.886	3.989	4.030	4.056	4.062	4.049	4.039	4.051	4.076	4.098	4.110	4.806	4.016	4.823	
26	2.454	2.238	3.072	3.315	3.420	3.446	3.452	3.450	3.442	1.439	1 451	3 ARO	1.505	3 520	1 514	3 441	3 577	
22			2.5/9		2.931	2.950	2.942	2.936	2.932 2.502	2.934	2.950	2.976	3.000	3.016	3.031	3.052	3.075	
28 29	1.349		2.163		2.150	2.166	2.149	2.503	2.139	2.142	2.523	2.547 2.183	2.370	2.386 2.21R	2.600	2.621	2.046	
30 31				1.727	1.839	1.858	1.840	1.829	1.832	1.841	1.854	1.873	1.891	1.904	1.917	1.937	1.963	
3?	0.720	0.888	1.066	1.463	1.342	1.343	1.378	1.346	1.350	1.350	1.392	1.608	1.624	1.636	1.64/	1.447	1.459	
33	0.637	0.741	0.894	1.047	1.145	1.172	1.164	1.157	1.161	1.169	1.178	1.189	1.201	1.211	1.221	1.238	1.259	
34				0.885														_
35 36				7.485 6.333														- 3
37	3.210	3.212	4.498	5.363	6.036	6.360	6.426	6.424	6.445	6.485	6.531	6.591	6.464	6.739	6.827	6.945		
38	2./30	3.153	3.808	4.547	5.147	5.466	5.555	5.566	5.582	5.613	5.653	5.706	5.772	5.844	5.928	6.035	6.142	
39	2.330	2.683	3.232	3.861	4.393	4.701	4.809	4.829	4.842	4.865	4.900	4.947	5.007	5.077	5.158	5.254	5.343	
40			2.751	3.285	3.754	4.049	4.169	4.197	4.206	4.223	4.253	4.296	4.352	4.419	4.497	4.583	4.457	
41				2.800												4.005		
42 43				2.393														
44	1.104	1.253	1.484	1.762	2.042	2.266	2.393	2.432	2.431	2.434	2.455	2.488	2.531	2.587	2.651	2.706		
45	0.958	1.085	1.281	1.519	1.764	1.970	2.093	2.131	2.128	2.129	2.149	2.181	2.221	2.274	2.334	2.383		
46 47		0.942		1.312					1.846						2.060	2.103		
48	0.634		0.837	0.989					1.441						1.820	1.860	1.660	
49	0.555	0.625	0.730	0.861	1.011				1.269						1.429		1.471	
50	0.407	0 547	0 479	0.753	0.005	1 017	1 000	1 125	1 110					1 224	1 740	1 700	1 104	
51	0.427	0.480	0.559	0.659	0.776	0.892	0.970	0.994	0.989	0.988	1.004	1.026	1.053	1.088	1.128	1.154		
52	0.376	0.421	0.490	0.578	0.682	0.787	0.858	0.879	0.874	0.874	0.888	0.910	0.934	0.967	1.003	1.028	1.034	
53			4.306						7.735							7.160		- 4
54 55		2.882	3.789		5.294				6.070		6.981					8.170 7.291		
56		2.545		3.464	4.117	4.805	5.288	5.427	5.381	5.383	5.495	5.652	5.828	6.061	6.325	4.508	6.557	
\$7			2.597	3.052					4.770							5.811		
58 59									4.227						5.026	4.631		
٧,	,																	
60			1.787	2.086					3.315									
61 62	1.096			1.614														
63			1.229	1.418	1.678	1.991	2.236	2.311	2.281	2.275	2.333	2.417	2.511	2.640	2.798	2.921	2.968	
64			1.084	1.245					2.007									
65 66		0.843	0.955						1.763							2.045	2.351	
67				0.839											1.713	1.810		
68	0.515	0.576	0.650	0.735	0.857	1.0'7	1.151	1.194	1.175	1.170	1.202	1.253	1.313	1.399	1.509		1.640	
69	0.451	0.506	0.570	0.643	0.747	0.885	1.001	1.037	1.021	1.016	1.045	1.090	1.145	1.225	1.326	1.411	1.449	
70	0.394	0.443	0.500	0.562	0.652	0.769	0.868	0.899	0.884	0.881	0.907	0.947	0.997	1.069	1.163			
71	0.344	0.387	0.437	0.492	0.568	0.668	0.751	0.776	0.763	0.761	0.784	0.820	0.065	0.931	1.017	1.091	1.125	- 5
72 73	2.997			4.293	4.943	5.785	5.544	5.720	6.567	5.631	5.819	/.083 6.099	6.459	7.004	7.774	7.335 8.346	7.6/Y 8.651	- 3
74	2.259	2.556	2.901	3.262	3.734	4.317	4.770	4.885	4.810	4.822	4.991	5.237	5.555	6.048	6.700	7.269	7.552	
75	1.956	2.216	2.520	2.036	3.236	3.715	4.075	4.156	4.095	4.115	4.268	4.482	4.761	5.202	5.792	6.311	6.571	
76		1.918		2.458	2.795	3.187	3.468	3.523	3.473	3.501	3.639	3.824	4.066	4.458	4.989			
7.7 2.8		1.658		1.825					2.935							4.035	4.225	
79									2.072									
80	0.943	1.068	1.202	1.323	1.468	1.635	1.743	1.750	1.730	1.769	1.859	1.954	2.076	2.300	2.628	2.925	3.070	

KM L	AT = -80	.0	-60	-50	-40	- 30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
18	1.094	1.111	1.128	1.151	1,192	1.253	1.310	1.340	1.341	1.331	1.325	1.316	1.293	1.256	1.220	1.200	1.195	- 1
20 21	1.861	8.050	8,241	8.424	8.693	9.050	9.380	9.514	٧.468	9.372	9.3.9	9.324	9.2	9.156	9.019	8.932	8.907	- 2
22	5.187	5.512	5.822	6.140	6.336	0.523	0.681	, , 149	6.720	6.664	6.651	6.683	6.70?	6.688	6.644	6.615	6.610	
24 25	3.340	3.690	4.119	4.455	4.654	4.124	4. '84	4.816	4.909	4.282	4.792	4.834	4.879	4.895	4.889	4.88	4.899	
20	1.164	2.465	2.868	3.217	3.400	5.449	3.456	3.400	3.412	5,4 :	3.482	3.521	1.50/	1.591	5,595	3.607	3.632	
2.7 28	1.432	1.561	1.944	2.314	2.914	2.534	2.519	2.516	2.527	2.534	2.54?	2.578	2.618	2.641	2.648	2.664	2.695	
29					2,138								2.246					
30 31	0.810	0.947	1.165	1.405	1.830	1.605	1.587	1.527	1.587	1.597	1.606	1.628	.656	1.674	1.682	1.699	1.728	
32 33	0.679 0.572	0.792	0.978	1.190	1.338 1.145	1.379	1.172	1.354	1.362	1.372	1.380	1.399	1.424	1.441	1.449	1.465	1.492	
34 35	0.484	0.561	0.694	0.855	0.976 8.33?	1.01,	1.009	1.002	1.007	1.015	1.021	1.036	1.056	1.070	1.028	1.093	1.114	- 3
36	3.518	4.046	4.985	6.165	7.120	7.504	1.490	1.445	2.480	2.533	7.585	7.697	.860	7.989	8.072	8.191	8.357	- 3
37 39	2.590	2.959	3.622	4.475	6.083 5.202	5.543	5.574	5.558	5.580	5.615	5.657	5.247	5.880	5.997	2.000 5.000	1.108 6.17 <b>8</b>	6.297	
39					4.453													
40 41	1.664	1.893	2.295	2.813	3.818 3.279	3.542	3.616	3.623	3.631	3.648	3.679	3.747	3.848	3.948	4.027	4.098	4.164	
42 43	1.441	1.639	1.983	2.422	2.822	3.060	3.139	3.151	3.157	3.169	3.198	3.260	3.352	3.446	3.523	3.587	3.640	
44 45	1.085	1.237	1.491	1.810	2,106	2.298	2.378	2.395	2.397	2.404	2.428	2.480	2.557	2.641	2.711	2.763	2.797	
46	0.822	0.941	1.132	1.368	1.589	1.743	1.816	1.834	1.834	1.837	1.857	1.900	1.966	2.039	2.102	2.143	2.164	
47 48	0.627	0.720	0.867	1.044	1.213	1.336	1.399	1.415	1.608	1.414	1.431	1.467	1.522	1,796	1.855	1.893	1.687	
49		0.631	0.760		1.064									1.401	1.451	1,482		
50 51		0.555 0.488			0.935 0.823											1.315		
52 53		0.430 3.792	0.518	0.623	0.726	0.806	0.849	0.859	0.855	0.854	0.866	0.892	0.930	0.924	1. 14	1.038	1.046	- 4
54	2.913	5.350	4.027	4.848	5.670	6.320	6.673	6.748	6.700	6.689	6.788	7.003	7.315	1.686	8.022	8.227	8.2 > 5	
55 56	2.581	2.962	3.556 3.142	3.278	5.013 4.431	4.962	5.254	5.309	5.261	5.249	5.333	5.511	5. '68	6.073	6.35?	7.332 6.536	6.599	
5 <i>7</i> 58	2.034 1.809	2.324	2.776	2.941	3.914 3.454	3.887	4.132	4,177	4,132	4.119	4.189	4.335	4.545	4, 798	5.040	5.199	5.259	
59	1.609	1.829	2.169	2.593	3.044	3.434	3.659	3.702	3.660	5.64'	3.710	3.842	4.031	4,261	4,486	4.637	4.696	
60 61					2.679													
62	1.132	1.277	1.496	1.764	2.063	2.343	2.520	2.560	2.528	2.515	2.560	2.655	2.792	2.969	3.152	3.283	3.338	
64	0.891	1.003	1.163	1.357	1.578	1.797	1.946	1.980	1.962	1.950	1.983	2.057	2.168	2.318	2.480	2.599	2.651	
65 66	0.697	0.783	0.901	1.038	1.376	1.36?	1.490	1.528	1.511	1.501	1.524	1.580		1.796	1.940	2.050	2.098	
6? 68	0.540	0.606	0.693	0.791	1.043	1.032	1.130	1.165	1.154	1.145	1.160	1.201	1.212	1.381	1.508	1.017	1.652	
69	0.474	0.532	0.607	0.689	0.786	0.895	0.981	1.013	1.005	0.99'	1.009	043	1.102	1.206	1.325	1.419	1.462	
70 71					0.682													
72 73	0.316	0.354	0.402	0.453	0.512	0.579	0.633	0.656	0.654	0.648	0.652	0.613	0.116	0.791	0.886	0.964	1.002	- 5
74	2.379	2.661	3.020	5.401	3.830	4.298	4.621	4.842	4.836	4. 797	4.814	4.944	5.278	5.885	6.668	7.336	7.678	•
75 76	2.060 1.780	1.986	2.252	2.536	3.305	3.168	3.419	3.528	3.529	3.506	3.513	3.540	3.847	4.519	4.945	5.497	5.792	
77 78	1.536	1.712	1.940	2.182 1.8/1	2.442	2.707	2.910	2.995	2.997	2.981	2.989	3.060	3.270	3.680	4.231	4.724	4.994	
79	1.138		1.435	1.598	1.772	1.950	2.083	2.133	2.131	2.129	2,144	2.196	2.343	2.638	3.050	3,431	3.646	
80	0.977	1.095	1.231	1.350	1,493	1.639	1.749	1.187	1.283	1. 186	1.80	1.854	1,9*4	2.219	2.568	2.897	3.083	

18	1.187   1.188   1.187   1.188   1.147   1.149   1.190   1.257   1.323   1.352   1.352   1.352   1.323   1.309   1.284   1.251   1.272   1.174   1.187   1.187   1.187   1.275   1.27		′ = -80	~70.	-60	-50	- 40	- 30	-20	-10	0	10	20	30	40	50	60	70	80
20	20		1.187	1.168	1.147	1.149	1.190	1.259	1.323	1.353	1.352	.337	1.323	1.309	1.284	1.251	1,217	1.194	1.182
100   0.930   1.130   1.416   1.486   1.885   1.870   1.855   1.844   1.846   1.855   1.877   1.999   1.926   1.935   1.935   1.937   1.947   1.936   1.936   1.935   1.937   1.947   1.936   1.936   1.936   1.936   1.936   1.936   1.937   1.937   1.948   1.935   1.937   1.948   1.936	10	20 21 22 23 24 25 26 27 28	8,404 6,734 5,323 4,186 3,296 2,608 2,080 1,674	8.399 6.901 5.613 4.544 3.677 2.981 2.426 1.995	8.352 7.036 5.898 4.929 4.113 3.431 2.864 2.394 2.004	8.398 7.162 6.112 5.208 4.435 3.213 2.234 2.332	8.678 7.403 6.320 5.401 4.621 3.957 3.392 2.909 2.496	9.114 7.728 6.555 5.568 4.739 4.042 3.455 2.958 2.536	9.479 7.994 6.742 5.694 4.819 4.087 3.476 2.962 2.530	9.619 8.090 6.807 5.736 4.844 4.101 3.480 2.960 2.523	9.563 8.038 6.764 5.704 4.822 4.082 3.472 2.956 2.523	9.451 7.953 6.704 5.665 4.800 4.076 3.470 2.960 2.529	9.381 7.915 6.692 5.671 4.816 4.098 3.493 7.983 2.551	9.343 7.913 6.714 5.707 4.859 4.143 3.537 3.023 2.587	9.273 7.888 6.717 5.726 4.887 4.175 3.571 3.056 2.618	9.146 7.814 6.676 5.707 4.880 4.176 3.576 3.655 2.628	8.995 7.715 6.612 5.666 4.854 4.160 3.566 3.058 2.623	8.872 7.631 6.557 5.631 4.834 4.149 3.561 3.056 2.624	8.801 7.581 6.526 5.614 4.828 4.151 3.568 3.067 2.636
41	41 1.73 2.109 2.00 3.100 3.491 3.597 3.621 3.604 3.597 3.613 3.603 3.777 3.774 3.693 3.908 3.909 3.929 3.935 4.1 2.430 3.431 4.3 1.345 1.609 1.720 2.035 2.081 3.155 3.145 3.134 3.120 3.138 3.155 3.252 3.310 3.365 3.410 3.430 3.431 4.3 1.345 1.609 1.720 2.035 2.039 2.702 2.736 2.731 2.723 2.732 2.744 2.815 2.877 2.797 2.991 2.999 2.994 4.1 1.727 1.407 1.730 2.035 2.724 2.348 2.385 2.385 2.377 2.382 4.11 2.437 2.127 2.791 2.991 2.999 2.994 4.1 1.247 2.422 4.1 2.437 2.411 2.437 2.127 2.422 2.422 2.436 2.085 2.099 2.083 2.107 2.148 2.179 2.750 2.291 2.305 2.297 4.7 0.783 0.795 1.170 1.342 1.499 1.534 1.023 1.826 1.825 1.823 1.824 1.825 1.825 1.727 1.727 1.727 1.728 3.173 1.727 1.727 1.728 3.127 1.400 1.531 1.554 1.703 1.737 1.400 1.401 1.602 1.601 1.619 1.652 1.693 1.737 1.737 1.732 1.522 2.017 2.148 2.109 2.200 2.2017 2.148 2.109 2.200 2.2017 2.148 2.109 2.200 2.2017 2.149 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.205 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.203 1.204 1.204 1.203 1.204 1.204 1.203 1.204 1.204 1.203 1.204 1.204 1.203 1.204 1.204 1.203 1.204 1.204 1.203 1.204 1.204 1.203 1.204	30 31 32 33 54 55 36 37 38	0.930 0.280 0.660 0.562 0.482 4.149 3.585 3.106 2.696	1.130 0.949 0.801 0.680 0.581 4.980 4.286 3.701 3.205	1.416 1.196 1.013 0.860 0.733 6.268 5.375 4.623 3.988	1.686 1.436 1.224 1.044 0.892 2.628 6.534 5.606 4.819	1:838 1:576 1:352 1:159 0:994 8:526 7:315 6:279 5:394	1.870 1.382 1.188 1.022 8.785 7.557 6.503 5.600	1.855 1.591 1.367 1.175 1.011 8.703 7.499 6.467 5.584	1.844 1.580 1.355 1.164 1.001 8.619 7.428 6.409 5.537	1.846 1.582 1.358 1.166 1.003 8.631 2.435 6.412 5.537	1.855 1.59! 1.366 1.174 1.009 8.685 7.481 6.450 5.568	1.872 1.605 1.378 1.184 1.018 8.766 7.552 6.513 5.624	1.899 1.629 1.399 1.202 1.034 8.897 7.667 6.615 5.714	1.926 1.653 1.420 1.221 1.051 9.049 7.802 6.735 5.822	1.936 1.664 1.431 1.231 1.061 9.145 7.894 6.822 5.904	1.935 1.663 1.431 1.232 1.063 9.171 7.926 6.859 5.945	1.937 1.666 1.434 1.235 1.065 9.198 7.952 6.885 5.969	1.949 1.677 1.444 1.244 1.073 9.258 8.000 6.921 5.996
51 0.470 0.574 0.707 0.817 0.889 0.979 0.979 0.972 0.982 0.975 0.969 0.975 0.969 0.976 0.976 0.976 0.976 0.976 0.976 0.976 0.975 0.969 0.976 0.977 0.976 0.976 0.976 0.976 0.977 0.9	51 0.470 0.574 0.707 0.817 0.889 0.979 0.972 0.982 0.975 0.999 0.976 0.996 1.024 1.056 1.080 1.080 1.086 1.075 1.24 1.051 1.080 1.08	41 42 43 44 45 46 47 48	1.773 143 1.345 1.172 1.023 0.894 0.783 0.687	2.108 1.840 1.608 1.407 1.233 1.082 0.951 0.836	2.600 2.265 1.978 1.230 1.517 1.331 1.170 1.030	3.100 2.688 2.336 2.035 1.777 1.554 1.362 1.196	3.448 2.981 2.582 2.242 1.952 1.703 1.489 1.305	3.599 3.115 2.702 2.348 2.046 1.787 1.564 1.373	3.621 3.145 2.736 2.386 2.085 1.826 1.603 1,410	3.604 3.134 2.731 2.385 2.088 1.832 1.610	3.597 3.126 2.723 2.377 2.079 1.823 1.602 1.411	3.613 3.138 2.732 2.383 2.083 1.824 1.601 1.409	3.653 3.175 2.764 2.411 2.107 1.845 1.619 1.423	3.717 3.232 2.815 2.457 2.148 1.882 1.652 1.452	3.794 3.301 2.877 2.512 2.198 1.927 1.693 1.490	3.863 3.365 2.937 2.569 2.250 1.976 1.737 1.531	3.908 3.410 2.981 2.611 2.291 2.013 1.772 1.563	3.929 3.430 2.999 2.627 2.305 2.026 1.783 1.572	3.935 3.431 2.996 2.622 2.297 2.017 1.273 1.562
61 1.468 1.724 2.028 2.283 2.501 2.723 2.904 2.968 2.926 2.870 2.965 2.916 3.012 3.138 3.246 3.281 3.250 62 1.304 1.515 1.783 1.998 2.187 2.388 2.557 2.618 2.581 2.581 2.530 2.552 2.559 2.653 2.767 2.871 2.910 2.886 1.155 1.346 1.555 1.745 1.908 2.090 2.774 2.305 2.272 2.272 2.222 2.222 2.259 2.333 2.437 2.534 2.536 2.578 2.552 6.40 1.022 1.186 1.377 1.522 1.662 1.825 1.970 2.025 1.997 1.958 1.953 1.984 2.048 2.143 2.238 2.238 2.233 6.557 2.618 2.581 2.596 2.559 2.653 2.468 2.581 2.596 2.581 2.596 2.581 2.596 2.581 2.596 2.581 2.596 2.581 2.596 2.581 2.596 2.581 2.596 2.581 2.596 2.581 2.596 2.598 2	61	51 52 53 54 55 56 57 58	0.470 4.161 3.692 3.282 2.923 2.606 2.325 2.075	0.574 5.080 4.499 3.988 3.538 3.140 2.788 2.474	0.707 6.240 5.513 4.871 4.305 3.803 3.359 2.965	0.817 7.262 6.354 5.606 4.945 4.359 3.840 3.379	0.889 7.845 6.926 6.117 5.401 4.766 4.202 3.700	0.939 8.305 7.349 6.508 5.763 5.102 4.513 3.987	0.972 8.616 7.644 6.786 6.026 5.350 4.747 4.207	0.982 8.712 7.237 6.875 6.111 5.431 4.824 4.281	0.975 8.642 7.669 6.809 6.047 5.370 4.766 4.226	0.969 8.577 7.599 6.736 5.973 5.296 4.694 4.157	0.976 8.632 7.639 6.763 5.990 5.305 4.697 4.156	0.996 8.806 7.791 6.897 6.107 5.407 4.786 4.235	1.024 9.060 8.022 7.106 6.296 5.578 4.940 4.372	1.056 9.350 8.287 7.348 6.516 5.779 5.123 4.538	1.080 9.572 8.488 7.530 6.682 5.931 5.263 4.668	1.086 9.616 8.524 7.561 6.710 5.956 5.288 4.695	1.075 9.516 8.430 7.474 6.630 5.884 5.224 4.640
71 4.037 4.606 5.183 5.614 6.085 6.750 7.409 7.734 7.720 7.622 7.779 7.608 7.798 8.269 8.927 9.435 9.604 7.23 3.508 3.990 4.479 4.848 5.257 5.831 6.400 6.689 6.693 6.620 6.577 6.585 6.739 7.160 7.788 8.255 8.435 7.3 3.045 3.450 3.865 4.184 4.504 5.033 5.520 5.773 5.791 5.738 5.696 5.687 5.812 6.186 6.741 7.202 7.387 7.4 2.640 2.979 3.330 3.608 3.919 4.341 4.753 4.971 4.997 4.961 4.921 4.902 5.001 5.330 5.833 6.263 6.447 7.5 2.285 2.569 2.867 3.109 3.380 3.739 4.085 4.269 4.298 4.275 4.241 4.214 4.293 4.580 5.031 5.425 5.603 7.4 1.974 2.213 2.466 2.676 2.911 3.215 3.503 3.655 3.684 3.671 3.642 3.614 3.675 3.924 4.323 4.680 4.847 7.7 1.702 1.905 2.120 2.301 2.502 2.758 2.995 3.118 3.142 3.137 3.116 3.089 3.138 3.350 3.698 4.149 4.171 7.8 1.461 1.638 1.823 1.975 2.144 2.358 2.555 2.648 2.666 2.665 2.654 2.633 2.670 2.899 3.149 3.428 3.567	71         4.037         4.606         5.183         5.614         6.085         6.750         7.409         7.720         7.622         7.777         7.608         7.798         8.269         8.277         9.435         9.604           72         3.508         3.990         4.479         4.848         5.257         5.831         6.400         6.689         6.693         6.620         6.577         6.585         6.739         7.160         7.768         8.255         8.435           74         2.640         2.979         3.330         3.608         3.919         4.34!         4.753         4.97!         4.971         4.997         5.608         5.812         6.730         5.803         6.424           75         2.285         2.569         2.867         3.109         3.380         3.739         4.085         4.289         4.275         4.241         4.214         4.214         4.293         4.580         5.033         5.623         5.603           76         1.974         2.213         2.466         2.676         2.911         3.215         3.503         3.651         3.671         3.641         3.675         3.137         3.118         3.479         4.323         4.987 </td <td>61 62 63 64 65 66 67 68</td> <td>1.468 1.304 1.155 1.022 0.901 0.293 0.696 0.609</td> <td>1,724 1,525 1,346 1,186 1,043 0,916 0,802 0,700</td> <td>2.028 1.783 1.565 1.372 1.200 1.048 0.914 0.795</td> <td>2.283 1.998 1.745 1.522 1.325 1.152 1.000 0.867</td> <td>2.501 2.187 1.908 1.662 1.445 1.254 1.087 0.941</td> <td>2.723 2.388 2.090 1.825 1.591 1.384 1.202 1.042</td> <td>2.904 2.557 2.247 1.970 1.723 1.504 1.310 1.139</td> <td>2.968 2.618 2.305 2.025 1.275 1.553 1.356 1.182</td> <td>2.926 2.581 2.272 1.997 1.752 1.535 1.342 1.172</td> <td>2.870 2.530 2.227 1.958 1.718 1.506 1.318 1.152</td> <td>2.965 1.525 2.222 1.953 1.713 1.501 1.314 1.148</td> <td>2.916 2.569 2.259 1.984 1.740 1.522 1.330 1.160</td> <td>3.012 2.653 2.333 2.048 1.795 1.370 1.370</td> <td>3.138 2.767 2.437 2.143 1.881 1.648 1.441 1.258</td> <td>3.246 2.871 2.536 2.238 1.972 1.735 1.525 1.337</td> <td>3.281 2.910 2.528 2.283 2.020 1.786 1.577 1.390</td> <td>3.250 2.886 2.562 2.273 2.016 1.787 1.582 1.400</td>	61 62 63 64 65 66 67 68	1.468 1.304 1.155 1.022 0.901 0.293 0.696 0.609	1,724 1,525 1,346 1,186 1,043 0,916 0,802 0,700	2.028 1.783 1.565 1.372 1.200 1.048 0.914 0.795	2.283 1.998 1.745 1.522 1.325 1.152 1.000 0.867	2.501 2.187 1.908 1.662 1.445 1.254 1.087 0.941	2.723 2.388 2.090 1.825 1.591 1.384 1.202 1.042	2.904 2.557 2.247 1.970 1.723 1.504 1.310 1.139	2.968 2.618 2.305 2.025 1.275 1.553 1.356 1.182	2.926 2.581 2.272 1.997 1.752 1.535 1.342 1.172	2.870 2.530 2.227 1.958 1.718 1.506 1.318 1.152	2.965 1.525 2.222 1.953 1.713 1.501 1.314 1.148	2.916 2.569 2.259 1.984 1.740 1.522 1.330 1.160	3.012 2.653 2.333 2.048 1.795 1.370 1.370	3.138 2.767 2.437 2.143 1.881 1.648 1.441 1.258	3.246 2.871 2.536 2.238 1.972 1.735 1.525 1.337	3.281 2.910 2.528 2.283 2.020 1.786 1.577 1.390	3.250 2.886 2.562 2.273 2.016 1.787 1.582 1.400
		71 72 73 74 75 76 77 78	4.037 3.508 3.045 2.640 2.285 1.974 1.702	4.606 3.990 3.450 2.979 2.569 2.213 1.905 1.638	5.183 4.479 3.845 3.330 2.867 2.466 2.120 1.823	5.614 4.848 4.184 3.608 3.109 2.676 2.301 1.975	6.085 5.257 4.540 3.919 3.380 2.911 2.502 2.144	6.750 5.831 5.033 4.34! 3.739 3.215 2.758 2.358	7.409 6.400 5.520 4.753 4.085 3.503 2.995 2.552	7.734 6.689 5.773 4.971 4.269 3.655 3.118 2.648	7.720 6.693 5.791 4.997 4.298 3.684 3.142 2.666	7.622 6.620 5.738 4.961 4.275 3.671 3.137 2.665	7.579 6.577 5.696 4.921 4.241 3.642 3.116 2.654	7.608 6.585 5.687 4.902 4.214 3.614 3.089 2.633	7.798 6.739 5.812 5.001 4.293 3.675 3.138 2.670	8.269 7.160 6.186 5.330 4.580 3.924 3.350 2.849	8.927 7.768 6.741 5.833 5.031 4.323 3.698 3.149	9.435 8.255 7.202 6.263 5.425 4.680 4.016 3.428	9.604 8.435 7.387 6.447 5.603 4.847 4.121 3.567

KM 14	AT = -80	-50	-60	-50	- 40	- 30	-20	-10	0	10	20	30	40	50	60	20	80	DEG
18	1.136	1.083	1.065	1,112	1.201	1.280	1.325	1.345	1.351	1.343	1.323	1.298	1.266	1.224	1.179	1.151	1,143	- 1
19			0.912													0.993	0.987	
20	7.887	7.740	7.775	8.164	8.762	9.243	9.472	9.538	9.533	9.481	9.404	9.320	9.190	8.973	8.721	8.549	8.496	- 2
21	6.366	6.416	6.603	6.995	7.478	7.835	7.991	B.022	8.004	7-966	7.928	7.895	7.822	7.670	7.480	7.346	7.302	
22 23	5.09/	5.288	5.594	5.994	6.386	6.643	6.743	6.753	6.730	6.703	6.693	6.694	6.660	6.553	6.410	6.306	6.270	
23	3.244	7 501	4.733	3.133	3.438	3.634	3.678	5.675	5.6/2	3.655	5.661	5.883	5.6/3	5.600	5.491	5.410	5.381	
25	2 430	2 955	4.002 3.384	1.377	1 000	4 003	4 001	4.013	4.061	4.783	4./99	4.831	4.83/	4./8/	4.703	1.640	4.617	
26			2.864						3.450									
27			2.426					2.945	2.918	2.940	2.960	2.993	3.013	2.997	2.957	2.924		
28	1.446	1.706	2.057	2.363	2.520	2.547	2,527	2.511	2.507				2.577					
29	1.206		1.748						2.143					2.198		2.150		
10	. 014																	
30 31	1.016	1.214	1.488	1.481		1.605			1.835									
32	0.739	0.883			1.364													
33	0.637	0.758			1.170													
34	0.551		0.798															
35	4.797	5.654			8.618													- 3
36	4.188	4.907			7.400													
37		4.271	5.116	5.900	6.340	6.483	6.444	6.403	6.404	6.428	6.461	6.499	6.524	6.503	6.429	6.334	4.258	
38		3.726	4.432	5.083	5.471	5.589	5.521	5.539	5.537	5.555	5.582	5.612	5.629	5.608	5.542	5.453	5.375	
39	2.820	3.257	J.848	4.387	4.712	4.825	4.823	4.800	4.794	4.807	4.830	4.853	4.863	4.843	4.785	4.700	4.621	
40	2 478	2 851	3.348	1 201	4 045	A 171	4 193	4 142	A 159	4 147	A 184	4 204	4 209	4 196	A 137	4 054	3 977	
41			2.919															
42			2.550															
43			2.231		2.639				2.747									
4.4	1.485	1.698	1.956	2.164	2.295		2,411		2.403						2.353		2.212	
45			1,717		2.000				2.107								1.919	
46			1.509						1.852						1.796		1.667	
4.7				1.451		1.590	1.631		1.632						1.574		1,451	
48 49	0.900	1.028	1.121						1.441						1.381		1.265	
•7	V./7/	0.909	1.032	1.122	1.180	1.230	1.269	1.202	1.275	1.263	1.202	1.237	1.234	1.243	1.215	1.162	1.106	
50	0.706	0.804	0.911	0.988	1.040	1.086	1.123	1,136	1.129	1.120	1.115	1,111	1,106	1.096	1.070	1.021	0.968	
51			0.804						1.002							0.897		
52	5.573	6.306	7.102	2.682	8.095			8.954			8.736							- 4
5.3			6.273		7.151			7.959			7.743							
54			5.539				6.947	7.077			6.865							
55	3.939 3.512		4.890					6.292			6.088					5.424	4.484	
56 57			4.315			5.222		5.592 4.966	4.941		5.396							
58			3.353						4.383									
59	2.487		2.951			3.607			3.882								3.085	
60	2.213	2.391				3.180	3.365		3.433							2.908		
61	1.966		2.279			2.799	2.969	3.049	3.030	2.968	2.915	2.887	2.871	2.832	2.729	2.564	2.404	
62	1.743	1.862			2.283			2.687			2.567							
63	1.542		1.752		1.744			2.363	2.348		1.982				1.848		1.869	
64 65	1.362		1.532				1.765		1.805				1.703		1.618		1.449	
66			1.168			1.439	1.542		1.579							1.342	1.274	
67			1.017			1.254			1.378						1.232		1.118	
68			0.885						1.201						1.023	1.026	0.981	
69	0.705	0.735	0.769	0.809	0.869	0.948	1.018	1.050	1.045	1.029	1.014	0.998	0.979	0.959	0.932	0.895	0.858	
70	6.140	6.390	6.672	7.013	7.536	8.228	8.838	9.111	9.084	8.959	8.830	8.675	8.488	B.302	8.089	7.798	7.501	- 5
71			5.783															
72			5.007 4.331															
73 74	7.017	7.100	3.743	1 045	4.752	4.470	4.912	5.044	5.084	5.049	5.011	4.873	4.703	4.580	4.503	4,405	4,285	
75	1.400	3.104	3.232	3.411	3.678	3.994	4.24.	4.340	4.349	4.371	4.324	4,198	4,038	3.929	3.871	3,798	3.702	
76	2.597	2.629	2.289	2.946	3.177	3.443	3.641	3.721	3.741	3.754	3.722	3.606	3.459	3.363	3.320	3.266		
77	2.236	2.309	2.406	2.541	2.738	2.958	3.114	3.172	3.189	3.209	3.190	3.088	2.955	2.872	2.841	2.800	2.733	
78	1.921	1.989	2.024	2.188	2.352	2.533	2.654	2.691	2.702	2.727	2.719	2.634	2.517	2.446	2.424	2.392	2.334	
79	1.644	1.711	1.787	1.880	2.012	2.159	2.252	2.271	2.274	2.300	2.304	2.237	2.137	2.077	2.061	2.036	1.984	
4.6											1 017	, 600	1 607	1 757	1 744	1 228	1 477	
80	1.399	1.470	1.539	1.609	1.711	1.829	1.879	1.903	1.897	1.922	1.43/	1.887	1.80/	1./3/	1./40	1./23	1.0//	

KM LAT	= -80	-20	-60	-50	- 40	- 30	- 20	-10	0	10	20	30	40	50	60	70	80	DE 6
18	1,102	1.085	1.095	1.149	1.227	1.289	1.322	1.336	1.342	1.339	1.322	1.290	1.245	1.191	1.143	1.110	1.096	- 1
						1.092												
20 21	7.900 6.563	2.903	6.065	8.451	8.916	9.246	9.383	9.425	9.452	9.464	9.417	9.278	9.041	8.735	8.439	8.230	8.129	- 2
22				6.219	A. 495	7.830 6.638	A. 671	A AA9	7.938 A AZA	A.ARR	7.932 6.484	/.852 A AAZ	7.693	/.469 A 305	7.237 4.201	7.063	5 902	
23	4.471	4.704	5.020	5.333	5.549	5.635	5.639	5.626	5.626	5.636	5.645	5.632	5.573	5.457	5.314	5.194	5.125	
24	3.689	3.947	4.279	4.573	4.744	4.791	4.777	4.757	4.253	4.761	4.775	4.780	4.748	4.664	4.551	4.450	4.388	
25 26		3.315		3.919	4.058	4.080	4.055	4.032	4.025	4.032	4.049	4.064	4.048	3.987		3.810		
27	2,112	2.355	2.650	2.875	2.971	2.971	2.940	2.915	2.906	2.913	2.932	2 951	2 949	2.913	3.334	3.261	2.744	
28	1.271	1.993	2.261	2.461	2.542	2.540	2.510	2.487	2.478	2.484	2.503	2.521	2.519	2.490		2.384		
29	1.493	1.692	1.930	2.106	2.176	2.173	2.147	2.125	2.117	2.123	2.141	2.156	2.153	2.128		2.036	1,997	
30	1.266	1.441	1.650	1.802	1.862	1.861										1.737	1.700	
31				1.542					1.553							1.481		
32 33	0.925			1.320	1.365	1.368			1,333						1.278	1.262	1.228	
34		0.784			1.003				0.988							0.914	0.884	
35						8.670	8.632	8.554	8.517	8.562	8.627	8.610	8.488	8.308	8.077	7.780		- 3
36		5.891			7.387	7.462	7.448	7.388	7.356	7.395	7.444	7.411	7.286	7.115	6.900		6.345	
37 38	4.569	5.127	5./3/	6.152	5.352	6.431 5.550	6.434	6.390	6.364	6.395	6.430	6.387	6.261	6.099	5.899	5.635 4.800	5.375 4.555	
39						4.798										4.092		
40 41				3.966		4.155 3.605										3.492		
42		2.647				3.135										2.985		
4.3		2.332				2.732	2.773	2.777	2.768	2.769	2.756	2.697	2.604	2.500	2.369	2.193	2.024	
44		2.958				2.386	2.427	2.434	2.426	2.424	2.408	2.351	2.265	2.170	2.048	1.885	1.731	
45 46			1.934	1.796		2.089								1.888	1.775	1.625	1.483	
47	1.332			1.541		1.613									1.342	1.215	1.275	
48	1.190		1.327	1.359	1.384	1.422	1.455	1.465	1.461	1.453	1.432	1.387	1.328		1.171	1.055		
49	1.059	1.122	1.174	1.200	1.222	1.255	1.286	1.296	1.293	1.284	1.264	1.222	1.168	1.106	1.024	0.918	0.823	
50	0.944	0.997	1.039	1.061	1.080	1.110	1.138	1.149	1.146	1.137	1.117	1.079	1.029	0.973	0.897	0.801	0.716	
51						0.983												
52						8.717												- 4
53 54	5 951	6.789 6.709	A.41A	/.307 A.532	044 4	7.732 6.861	7.055	2.146	7 135	7.052	6.76Y	A. A28	A. 294	5.895	5.367	4.231	4.193	
55						6.087												
56						5.398												
57						4.784												
58 59						3.745												
60						3.307												
61 62						2.567												
63	2.035	2.065	2.094	2.126	2.178	2.256	2.334	2.382	2.387	2.355	2.288	2.187	2.053	1.887	1.692	1.495	1.346	
64						1.980								1.650				
65 66			1.410			1.735								1.441		1.148		
6.7						1.327								1.092				
68	1.065	1.072	1.022	1.088	1.116	1.159	1.179	1.218	1.219	1.206	1.175	1.120	1.040			0.766		
69	0.931	0.936	0.939	0.948	0.973	1.011	1.044	1.059	1.058	1.048	1.023	0.974	0.903	0.822	0.741	0.667	0.614	
20						8.807												- 5
71						7.667												
72 73						6.667 5.789												
74	4.663	4.685	4.678	4.703	4.832	5.018	5.118	5.087	5.039	5.042	4.988	4.741	4.340	3.935	3.593	3.303	3.083	
75	4.045	4.066	4.057	4.074	4.184	4.340	4.409	4.360	4.309	4.323	4.292	4.082	3.730	3.382	3.098	2.859	2.674	
76	3.503	3.524	3.513	3.523	3.615	3.743	3.785	3.723	3.673	3.694	3.683	3.505	3.200	2.902	2.668	2.471	2.314	
77 78	3.030			3.040 2.616	5.114 2 421	3.216	3.237	3.167	3.119	3.146			2.738 2.337	2.486	1.947	2,130 1.832		
78	2.253		2.258			2.337								1.813				
80	1.936	1.954	1.938	1.917	1.935	1.971	1.956	1.891	1.855	1,885	1.909	1.836	1.684	1.541	1.434	1.338	1.253	

KM LAT	= ~80	-70	60	-50	-40	- 30	- 20	-10	0	10	20	30	40	50	60	70	80	DEG
1 <b>8</b> 1 9	1.03?	1.082	1.146	1.222	1.296	1.350	1.372	1.369	1.363	1.360 F.142	1.343	1.299	1.236	1.181	1.144	1.120	1.102	- 1
20 21		6.872	7.245	1.615	7.908	8.067	0.088	8.040	9.560 8.015	8.034	8.015	7.879	7.645	7.403	2.213	2.070	6.969	- 2
22 23									6.731 5.661									
24 25	4.132	4.309	4.532	4.724	4.832	4.854	4.824	4.286	4.770	4. 779	4. 288	4.768	4.703	4.601	4.485	4.379	4.303	
26 27	3.033	3.160	3.313	3.432	3.48?	3.484	3.454	3.423	3.409 2.891	3.412	3.426	3.431	3.406	3.344	3.252	3.157	3.084	
28 29	2.236	2.325	2.426	2.497	2.523	2.516	2.493	2.470	2.457	2.459	2.4/2	2.482	2.471	2.425	3.350	2.263	2.192	
30									1.786									
31	1.432	1.483	1.532	1.55	1.565	1.561	1.551	1.53'	1.528	1,529	1.538	1.542	1.530	1.494	1.435	1.363	1.301	
32 33	1.073	1.107	1.136	1.146	1.146	1.145	1.141	1.132	1.310	1.126	1.131	1.130	1,113	1.081	1.031	0.969	0.915	
34 35									9.683 8.350									- 3
36	7.047	7.234	7.341	7.325	7.285	7.287	7.288	7.251	7.216	7.223	7.226	7,144	6.952	6.669	6.285	5.822	5.418	
3 <i>7</i> 38									6.24B 5.420									
39	4.700	4.801	4.829	4.274	4.722	4.723	4.736	4.725	4,711	4.212	4.685	4.576	4.388	4.151	3.862	3.531	3.247	
40	4.120	4.103	4.21?	4.158	4.106	4.105	4.118	4,112	4.102 3.529	4.101	4.069	3.958	3.777	3.556	3.294	3.000	2.750	
42	3.181	3.237	3.237	3.128	3.128	3.122	3.133	3.132	3.128	3,124	3.986	2.979	2.815	2.625	2.412	2.180	1.988	
43	2.802	2.849	2.844	2,788	2.741	2,733	2,241	2,741	2.738	2.734	2.695	2.592	2.438	1.957	1.283	1.866	1.456	
45	2.184	2.217	2.309	2.160	2.116	2.108	2.112	2.112	2.110	2.105	2.067	1.975	1.843	1.696	1.539	1.380	1.252	
4.6									1.857									
4 B 4 9									1.444							0.897		
50	1.201	1.216	1.208	1.179	1.151	1,139	1.135	1,131	1.128	1.123	1.098	1.032	0.952	0.860	0.769	0.684	0.619	
51 52	1.069	1.082	1.025	1.048	1.023	1.011	1.006	1,002	1,000	0.994	1.971	0.917	0.839	0.755	0.574	0.599	0.543	- 4
53	8.493	8,584	8.519	8.506	8.100	7.990	2.929	1.876	8.851	.810	7.623	7.135	6.536	5.856	5.209	4.627	4.198	- •
54 55	2.522	7.652	7.590	7.396	7.210	2.104	.047	6.98.	6.854 6.173	6.922	4.759	5.354	5.776	5.163	4.587	4.076	3.703	
56	6.035	5.085	6.023	5.863	5.708	5.614	5.552	5.500	5.476	5.451	5.315	4.994	4.511	4.018	3.565	3.123	2.890	
57 58	5.386	5.422	5.363	5.216	5.075	4.987	4.926	4.827	4.956	4.835	4,712	4.411 3.901	3.985 3.51.	3.543	2.771	2.801	2.556	
59	4.286	4.302	4.243	4.119	4.001	3.924	3.869	3.827	3.812	3.797	3.695	3,447	3.101	2.751	2,441	2.182	1.997	
60 61	3.820	3.827	3.768 3.343	3.654	3.547	3.4/4	3.423	3.385	3.373	3.361	3.267 2.885	3.042 2.680	2.731	2.420	2.149	1.924	1.764	
62	3.025	3.019	2.961	2.865	2.775	2.113	2.669	2.639	2.632	2.623	2.545	2.358	2.108	1.866	1.660	1,491	1.372	
63 64	2.688		2.619		2.449	2.392	2.351	2.325	2.320	2.312	1.969	1.817	1.848	1.634	1.456	1.310	1.207	
65	2.112	2.093	2.039	1.964	1.898	1.851	1.817	1.295	1.293	1.197	1.728	1.590	1.413	1.249	1.115	1.002	0.431	
66			1.194	1 514	1 461	1 4 74	1 195	1 376	1,571	1.170	1.323	1.213	1.0.74	0.949	0.850	0.770	0.713	
68	1.453	1.430	1.382	1.325	1.278	1.245	1,219	1.331	1.194	1.195	1.154	1.056	0.934	0.825	0.240	0.672	0.622	
69 70									0.004									
71	9.833	9.605	9.20/	0.778	8.466	8 251	8 04R	7 875	7.825	7.816	2.562	6.917	6,102	5.401	4.868	4.434	4.103	- 5
22 23	8.597	9 197	B 010	7 671	7 749	, 17 H	A SEO	6.808	6.749 5.803	6.746	6.539	5.987	5.283	4.680	4.226	3.852	3.562	
24	4 517	4 749	4 030	5 709	5 500	5 370	* 217	5 644	4.973	4.779	4.954	4.463	3.945	3.505	3.178	2.900	2.675	
?5 ?6	5.676 4.921	5.509	5.212	4.923	4 071	1 0 7 6	3 440 5	1 499	4.247 3.614	3 4 7 K	3.563	3.298	2.922	2.612	2.379	2.124	1.999	
77	4.256	4.125	3.882	1 417	1 400	1 401	า าดา	1 114	1 044	3.0.28	3.032	2.823	2.513	2.249	2.054	1.877	1.724	
78 79	3.672 3.159	3.558 3.062	3.339	3,114 2,659	2.978	7.899 2.457	2.789	2.655	2.588 2.176	2.603	2.190	2.408	1.835	1.654	1.518			
80	2.710	2.627	2.453	2.264	2,142	2.070	1.980	1,874	1.821	1.836	1.833	1.727	1.551	1.409	1.298	1.190	1.090	

KM LA	17 = -80	- 70	-60	- 50	-40	- 30	'0	-10	Ú	.0	20	30	40	50	60	70	80	DEG
18 19				1.222														- 1
20 21 32	8.160 7.031 6.057	7.132	7.318	8.893 7.584 6.468	7.864	8.053	8.096	8.054	8,034	0.057	8.027	7.850	7.561	7.280	7.085	6.964	6.883	- 2
23 24 25	5,217 4,495	5.276 4.537	5.379 4.610	5.516 4.705 4.015	5.644 4.794	5.725 4.839	5.727 4.832	5.694 4.802	5.681 4.789	5.695 4.792	5.682 4.788	5.595 4.729	5.445 4.625	5.281 4.499	5.133	5.000 4.223	4.889	
26 27 28	3.340 2.881	3.358 2.891	3.389 2.908	3.428 2.929 2.505	3.462	3.473	3.459	1.436	3.422 2.901	3.421 2.897	3.416 2.893	3.392 2.879	3.345	3.270 2.789	3.153	3.001 2.527	2.863	
29 30	2.148	2.148	2.146	2.145	2.143	2.137	2.124	2.108	2.09?	2.091	2.087	2.084	2.072	2.029	1.931	1.789	1.659	
31 32 33	1.393	1.385	1.372	1.579 1.357 1.169	1.346	1.336	1.326	1.316	1.308	1.303	1.299	1.298	1.291	1.259	1.001	1.066 0.899	0.966 0.809	
34 35 36 37	9.116 7.936	9.032 7.855	0.888 7.716		8.589	8.497 7.337	8.424 7.270	0.359 7.213	8.311 2.123	8.275 7.143	8.237 7.105	8.191 7.048	8.092 6.937	7.808 6.663	7.212 6.124	6.400 5.412	5.705 4.809	- 3
38 39	6.039	5.970	5.849	6.560 5.706 4.9/4	5.587	5.505	5.446	5.402	5.375	5.355	5.318	5.246	5.116	4.862	4.428	3.688	3.444	
40 41 42	4.054	4.006	3.915	4.345 3.803 3.336	3.705	3.634	3.584	3.550	3.534	3.525	3.494	3.416	3.278	3.059	3.217 2.749 2.354	2.403	2.131	
43 44 45	2.761 2.437	2.729	2.665	2.932 2.581 2.277	2.503	2,444	2.400	2.370	2.359	2.356	2.334	2.265 1.984	2.139 1.863	1.957	2,020 1,737 1,497	1.516	1.352	
46 47 48 49	1.908	1.888	1.843	1.578	1.219	1.620	1.631	1.405	1.594	1.596	1.584	1.530	1.424	1.116		0.849	0.878	
50 51	1.336	1.323	1.291	1.244	1,192	1.157	1.124	1.099	1.090	1.093	:.088	1.049	0.966	0.854	0.740	0.645	0.582	
52 53 54	9.463 B.452	9.369 8.364	9.124 8.139		8.404 7.478	8.088 7.188	7.814 6.932	7.601 6.732	7.513 6.648	7.546 6.679	7.540 6.680	7.265 6.433	6.633 5.858	5.793 5.100	4,974 4,370	4.329 3.803	3.926 3.452	- 4
55 56 57	6.756	6.677 5.968	5.785	6.20J 5.528	6.656 5.925 5.273 4.691	5.681 5.050	5.462 4.848	5.286 4.686	4.618	5.242 4.645	5.246	5.040 4.458	4.566	3.482	3.382 2.976	2.594	2.678 2.361	
58 59 60	4.839	4.767		4.383	4.171	3.987	3.817	3.682	3.627	3.649	3.645	3.477	3.122	2.692	2.305	2.015	1.838	
61 62 63	3.871 3.459 3.088	3.801 3.391 3.021	3.655 3.252 2.890	3.466 3.077 2.728	3.289 2.916 2.581	3.138 2.779 2.458	2.998 2.653 2.345	2.888 2.555 2.258	2.846 2.519 2.228	2.864 2.535 2.242	2.850 2.517 2.220	2.698 2.371 2.080	2.405 2.106 1.840	2.072 1.813 1.585	1.781 1.564 1.371	1.565 1.378 1.212	1.430	
64 65 66	2.754 2.454 2.182	2.391	2.011	2.415 2.134 1.883	2.281 2.012 1.772 1.557	1.913	1.823	1.756	1.968 1.236 1.529 1.344	1.747	1.719	1.822 1.594 1.391 1.213	1.398	1.205	1.051		0.861	
67 68 69	1.938 1.218 1.519	1.662		1.65? 1.456 1.276		1.293	1.231	1.188	1.178	1.186	1.15?	1.056	0.916	0.792	0.699	0.630	0.581	
70 71 72	1.180	1.135	1.057	1.115 0.972 0.845	0.904	0.854	0.813	0.786	0.782	0.788 0.683	0.764	0.690	0.595	0.517	0.461	0.419	0.386	_
73 74 75	7.924	7.571	6.969	7.318 6.321 5.443 4.671	5.828	5.491	5.228	5.052	5.031	5.079 4.354	4.928	4.445	3.839	3.357 2.903	3.023 2.621	2.749	2.524	- 5
76 27 78 79	5.166 4.444	4.910	4.467 3.824	4.6/1 3.994 3.404 2.890	3.648 3.099	3.430	3.265 2.773	3.148	3.125	3.158 2.671	3.083 2.615	2.806	2.448	1.658	1.960	1.539	1.408	
80				2.445											1.241	1,140	1.050	

## ZONAL MEAN NUMBER DENSITY (/M CU)

Second Column   Second Colum	KH LA	T = -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	40	70	80	DE6
1,73	AUUAL	RY																	
1.28																			+24
24																			
26																			427
28																			723
12						5.25	5.23	5.19	5.15		5.11	5.11	5.09			4.60			
34																			
36																			
1.27																			
44							8.76		8.40	8.35	8.35	8.34	8.30	8.16	7.86	7.32		6.04	+22
44																			
1.																			
Second   S																			
Second   S																			
								1.79					1.71	1.65	1.56	1.43	1.27	1.15	
No.   No.																			
No.   No.																			
A																			421
A4																			721
A68																			
22													2.91						
14																			
Table   Tabl																			
78											1.42								
Page											0.78								
FEBRUARY  18																			+20
	80	6.79	6.49	5.87	5.11	4.52	4.18	4.06	4.05	4.07	4.06	3.92	3.64	3.30	3.02	2.82	2.67	2.54	
1.70	FEBRU	ARY																	
1.26	18	2.29	2.33	2.42	2.54	2.67	2.76	2.80	2.82	2.84	2.83	2.78	2.65	2.50	2.36	2.28	2.23	2.20	+24
24         0.93         0.94         0.96         0.99         1.00         1.00         0.99         0.99         0.99         0.97         0.97         0.95         0.92         0.89         0.82         22           26         6.91         6.76         7.07         7.21         7.27         7.24         7.15         7.09         7.08         7.06         7.01         6.75         6.46         6.12         5.83         *23           30         3.79         3.81         3.86         3.89         3.84         3.77         3.72         3.70         3.70         3.60         3.61         3.44         3.22         3.03           31         2.10         2.12         2.14         2.14         2.12         2.09         2.04         2.21         2.71         <																			
26         6.99         6.99         7.07         7.21         7.27         7.22         7.15         7.09         7.08         7.08         7.08         7.08         7.01         6.92         6.75         6.46         6.17         9.83         *23           28         5.11         5.14         5.21         5.27         5.17         5.12         3.09         5.09         5.09         5.08         4.75         4.43         4.19           30         3.79         3.81         3.88         3.89         3.84         3.77         3.72         3.70         3.70         3.08         3.61         3.44         3.22         3.03           32         2.82         2.84         2.88         2.87         2.82         2.72         2.71         2.71         2.71         2.71         2.69         2.64         2.52         2.34         2.13         1.19         1.16         1.14         1.19         1.20         1.19         1.16         1.14         1.11         1.10         1.08         1.05         1.00         0.94         0.89           40         9.02         9.12         9.16         9.10         8.78         8.56         8.26         8.29																			
S																			423
30. 3.79 3.81 3.86 3.89 3.89 3.89 3.89 3.89 3.89 3.89 3.89																			-23
32         2,82         2,84         2,88         2,282         2,204         2,01         1,99         2,00         2,00         1,98         1,93         1,85         1,53         1,52           36         1,58         1,59         1,60         1,60         1,58         1,55         1,52         1,49         1,48																			
36         1,58         1,59         1,60         1,60         1,58         1,55         1,52         1,49         1,48         1													2.71						
1,19																			
40         9.02         9.12         9.16         9.10         8.77         8.78         8.56         8.36         8.29         8.34         8.36         8.26         8.04         7.77         7.43         7.00         6.61         *22           42         6.89         6.97         6.99         6.93         6.83         6.68         6.50         6.34         6.29         6.33         6.34         6.24         6.04         5.01         5.54         5.21         4.90           46         4.09         4.15         3.46         4.12         4.04         3.77         4.85         4.76         4.58         4.18         4.18         4.18         4.18         4.18         4.18         4.18         4.18         4.18         4.18         4.18         4.18         4.18         3.74         3.71         3.73         3.74         3.64         3.51         3.33         3.14         2.91																			
42 6.89 6.97 6.99 6.93 6.93 6.83 6.68 6.50 6.34 6.29 6.33 6.34 6.24 6.04 5.08 5.54 5.21 4.90 4.44 5.29 5.36 5.38 5.33 5.23 5.12 4.97 4.65 4.81 4.84 4.85 4.76 4.58 4.58 4.15 3.88 3.64 3.64 3.14 4.15 4.16 4.12 4.04 3.75 3.84 3.74 3.71 3.73 3.74 3.64 3.51 3.33 3.14 2.71 2.50 2.49 2.53 2.54 2.52 2.46 2.39 2.32 2.27 2.26 2.28 2.28 2.22 2.11 1.98 1.82 1.66 1.52 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.1																			+22
44         5,29         5,36         5,38         5,33         5,23         5,12         4,97         4,85         4,81         4,84         4,85         4,74         3,86         4,38         4,15         3,88         3,44           46         4,09         4,15         4,16         4,12         4,04         3,97         3,84         3,74         3,71         3,73         3,74         3,51         3,33         3,14         2,91         2,91         2,91         2,91         2,91         2,91         2,91         2,92         2,82         2,21         2,53         2,54         2,52         2,46         2,39         2,32         2,27         2,26         2,28         2,22         2,11         1,78         1,82         1,66         1,52           52         1,96         1,97         2,00         1,88         1,82         1,79         1,78         1,82         1,66         1,52           54         1,55         1,58         1,57         1,58         1,57         1,58         1,61         1,14         1,42         1,42         1,65         1,14         1,16         1,16         1,16         1,13         1,11         1,41         1,42         1,37																			
48         3.19         3.23         3.24         3.21         3.15         3.07         2.98         2.91         2.89         2.91         2.92         2.91         2.91         2.91         2														4.56		4.15	3.88		
50         2.49         2.53         2.54         2.52         2.46         2.39         2.32         2.27         2.26         2.28         2.22         2.11         1.98         1.82         1.66         1.52           52         1.96         1.99         2.00         1.98         1.94         1.88         1.82         1.79         1.78         1.80         1.77         1.74         1.65         1.53         1.40         1.26         1.16           54         1.55         1.57         1.58         1.53         1.48         1.43         1.41         1.42         1.42         1.27         1.19         1.08         0.97         0.88           56         1.22         1.24         1.25         1.24         1.20         1.16         1.13         1.11         1.12         1.13         1.12         1.08         1.01         0.93         0.83         0.75         0.88           58         9.67         9.82         9.89         9.77         9.47         9.12         8.86         8.77         8.83         8.91         8.92         8.43         7.96         7.16         6.44         5.78         5.31         421           60         7.62<																			
52         1.96         1.99         2.00         1.98         1.94         1.88         1.82         1.79         1.78         1.80         1.27         1.74         1.65         1.53         1.40         1.26         1.16           54         1.55         1.57         1.58         1.57         1.53         1.48         1.43         1.41         1.41         1.42         1.42         1.27         1.19         1.08         0.77         0.88           56         1.22         1.24         1.25         1.24         1.24         1.24         1.24         1.24         1.24         1.24         1.24																			
54         1,55         1,57         1,58         1,57         1,58         1,57         1,58         1,48         1,48         1,43         1,41         1,42         1,42         1,37         1,29         1,19         1,08         0,97         0,88           56         1,22         1,24         1,25         1,24         1,20         1,16         1,13         1,11         1,12         1,10         1,01         0,93         0,83         0,75         0,68           58         9,67         9,82         9,89         9,77         9,47         9,12         8,86         8,77         8,83         8,91         8,92         8,43         7,86         7,16         6,44         5,78         6,92         6,96         7,02         6,92         6,59         6,08         5,51         4,97         4,49         4,16           64         4,76         4,82         4,80         4,50         4,32         4,21         4,19         4,24         4,27         4,17         3,13         3,22         3,24         3,27         3,29         3,20         2,98         2,68         2,42         2,23         2,11         2,57           64         3,76         3,77 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>																			
56         1.22         1.24         1.25         1.24         1.20         1.16         1.13         1.11         1.12         1.13         1.12         1.08         1.01         0.93         0.83         0.75         0.68           58         9.67         9.82         9.89         9.77         9.47         9.12         8.86         8.77         8.83         8.91         8.62         8.43         7.86         7.16         6.44         5.78         5.31         +21           60         7.66         7.77         7.80         7.69         7.43         7.15         6.95         6.89         6.96         7.02         6.92         6.57         6.08         5.51         4.77         4.49         4.16           62         6.05         6.13         6.13         6.02         5.80         5.58         5.42         5.39         5.45         5.49         5.99         6.96         6.05         6.08         6.52         3.93         3.27         3.23         3.24         3.22         3.29         3.29         3.90         4.64         4.22         3.82         3.49         3.27           64         3.78         3.77         3.73         3.61																			
58         9.67         9.82         9.89         9.77         9.47         9.12         8.86         8.77         8.83         8.91         8.82         8.43         7.86         7.16         6.44         5.78         5.31         421           60         7.64         7.77         7.89         7.49         7.43         7.15         6.95         6.98         6.96         6.59         6.59         6.96         6.70         6.59         6.05         5.58         5.42         5.39         5.50         5.99         6.06         4.22         6.95         6.98         5.58         5.42         5.39         5.55         5.49         6.96         7.39         5.31         4.21         4.99         4.97         4.97         4.97         4.49         4.21         4.22         4.17         3.91         3.55         3.20         3.22         3.27         2.57         2.64         2.51         2.52         3.29         3.20         2.98         2.48         2.42         2.23         2.10         2.02         48         2.49         2.49         2.51         2.52         2.44         2.25         2.02         1.82         1.69         1.61         1.57         1.21         1.00																0.83	0.75	0.48	
62 6.05 6.13 6.13 6.02 5.80 5.58 5.42 5.39 5.45 5.49 5.39 5.09 4.66 4.22 3.82 3.49 3.27 64 4.78 4.82 4.80 4.68 4.50 4.32 4.21 4.19 4.24 4.27 4.17 3.91 3.55 3.20 2.92 2.71 2.57 66 3.76 3.77 3.73 3.61 3.46 3.33 3.25 3.24 3.27 3.29 3.20 2.98 2.68 2.42 2.23 2.10 2.02 68 2.94 2.94 2.88 2.76 2.64 2.54 2.49 2.49 2.49 2.51 2.52 2.44 2.25 2.02 1.82 1.69 1.61 1.57 70 2.29 2.27 2.20 2.09 1.99 1.93 1.90 1.90 1.91 1.91 1.91 1.84 1.69 1.51 1.36 1.27 1.23 1.21 72 1.77 1.74 1.67 1.57 1.49 1.45 1.43 1.44 1.44 1.44 1.38 1.27 1.31 1.02 0.96 0.93 0.93 74 1.35 1.32 1.25 1.17 1.10 1.07 1.07 1.08 1.08 1.07 1.03 0.95 0.84 0.76 0.72 0.70 0.70 76 1.01 0.98 0.93 0.86 0.81 0.79 0.79 0.80 0.80 0.79 0.70 0.70 0.70 0.70 0.70 7.22 6.78 6.25 5.88 5.75 5.76 5.77 5.80 5.78 5.59 5.16 4.63 4.21 3.98 3.91 3.90 +20		9.67		9.89															+21
64 4.78 4.82 4.80 4.68 4.50 4.32 4.21 4.19 4.24 4.27 4.17 3.91 3.55 3.20 2.92 2.71 2.57 66 3.76 3.77 3.73 3.61 3.46 3.33 3.25 3.24 3.27 3.29 3.20 2.98 2.48 2.42 2.23 2.10 2.02 68 2.94 2.94 2.98 2.76 2.64 2.54 2.49 2.49 2.51 2.52 2.44 2.25 2.02 1.82 1.69 1.61 1.57 70 2.29 2.27 2.20 2.09 1.99 1.93 1.90 1.90 1.90 1.91 1.91 1.91 1.94 1.69 1.51 1.36 1.27 1.23 1.21 72 1.77 1.74 1.67 1.57 1.49 1.45 1.43 1.44 1.44 1.44 1.48 1.38 1.27 1.31 1.02 0.96 0.93 0.93 74 1.35 1.32 1.25 1.17 1.10 1.07 1.07 1.08 1.08 1.07 1.03 0.95 0.84 0.76 0.72 0.70 0.70 76 1.01 0.98 0.93 0.86 0.81 0.79 0.79 0.80 0.80 0.79 0.70 0.76 0.70 0.70 0.70 78 7.42 7.22 6.78 6.25 5.88 5.75 5.76 5.79 5.80 5.78 5.59 5.16 4.63 4.21 3.98 3.91 3.90 +20																			
66 3.76 3.77 3.73 3.61 3.46 3.33 3.25 3.24 3.27 3.29 3.20 2.98 2.48 2.42 2.23 2.10 2.02 48 2.94 2.94 2.98 2.76 2.64 2.54 2.49 2.51 2.52 2.44 2.25 2.02 1.82 1.69 1.61 1.57 70 2.29 2.27 2.20 2.09 1.99 1.93 1.90 1.90 1.91 1.91 1.91 1.94 1.69 1.51 1.36 1.27 1.23 1.21 1.77 1.74 1.67 1.57 1.49 1.45 1.43 1.44 1.44 1.44 1.38 1.27 1.35 1.32 1.25 2.74 2.75 2.74 1.35 1.32 1.25 1.17 1.10 1.07 1.08 1.08 1.08 1.07 1.03 0.95 0.84 0.76 0.72 0.70 0.70 0.70 1.07 1.08 1.08 1.08 1.07 1.09 0.95 0.84 0.76 0.72 0.70 0.70 0.70 0.70 0.80 0.79 0.70 0.70 0.80 0.79 0.70 0.70 0.80 0.79 0.70 0.80 0.79 0.70 0.70 0.80 0.70 0.70 0.80 0.52 0.52 0.52 7.88 7.42 7.22 6.78 6.25 5.88 5.75 5.76 5.79 3.80 5.78 5.59 5.16 4.63 4.21 3.98 3.91 3.90 +20																			
88																			
70																			
74 1.35 1.32 1.25 1.17 1.10 1.07 1.08 1.08 1.07 1.03 0.95 0.84 0.76 0.72 0.70 0.70 1.01 0.98 0.93 0.86 0.81 0.79 0.79 0.80 0.80 0.79 0.76 0.70 0.63 0.57 0.54 0.52 0.52 7.82 7.22 6.78 6.25 5.88 5.75 5.76 5.79 5.80 5.78 5.59 5.16 4.63 4.21 3.98 3.91 3.90 +20									1.90				1.69	1.51	1.36	1.27			
76 1.01 0.98 0.93 0.86 0.81 0.79 0.79 0.80 0.80 0.79 0.76 C.70 0.63 0.57 0.54 0.52 0.52 7.42 7.22 6.78 6.25 5.88 5.75 5.76 5.79 5.80 5.78 5.59 5.16 4.63 4.21 3.98 3.91 3.90 +20																			
78 7.42 7.22 6.78 6.25 5.88 5.75 5.76 5.79 5.80 5.78 5.59 5.16 4.63 4.21 3.98 3.91 3.90 +20																			
70 7112 7112 7112 7112																			+20
	80	5.32	5.19	4.87	4.50	4.23	4.14	4.12	4.11	4.12	4.13								••

# ZONAL MEAN NUMBER DENSITY (7M CU)

KA LAT	= -80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80 1	DE6
MARCH																		
18	2.24	2.30	2.39	2.51	2.63	2.72	2.77	2.80	2.81	2.79	2.73	2.62	2.51	2.41	2.32	2.24	2.17	+24
20	1.66	1.70	1.77	1.84	1.91	1.95	1.97	1.97	1.98	1.97	1.94	1.89	1.83	1.77	1.21	1.66	1.61	
22	1.23	1.25	1.30	1.34	1.38	1.39	1.39	1.39	1.39	1.39	1.38	1.35	1.33	1.30	1.26	1.21	1.17	
24 26	0.90 6.63	0.92 6.77	0.95 6.97	0.98 7.16	1.00 7.25	1.00	0.99 7.15	0.99 7.09	0.99 7.07	0.99	0.98	0.97	0.96	0.95	0.92	0.89	0.85	
28	4.86	4.97	5.12	5.24	5.28	5.25	5.18	5.13	5.10	7.06 5.10	7.05 5.10	7.02 5.09	6.98 5.07	6.89 5.02	6.71 4.89	6.45 4.72	6.21 4.55	+23
30	3.57	3.65	3.76	3.84	3.87	3.84	3.79	3.74	3.72	3.72	3.72	3.71	3.69	3.65	3.56	3.45	3.35	
32	2.62	2.69	2.76	2.82	2.84	2.82	2.78	2.74	2.72	2.73	2.73	2.72	2.70	2.65	2.60	2.53	2.47	
34	1.92	1.98	2.04	2.08	2.09	2.08	2.06	2.02	2.01	2.01	2.02	2.01	1.98		1.89	1.85	1.81	
36	1.41	1.46	1.51	1.54	1.55	1.55	1.53	1.50	1.49	1.49	1.50	1.49	1.46	1.42	1.38	1.36	1.33	
38	1.04	1.08	1.12	1.14	1.15	1.15	1.14	1.12	1.11	1.12	1.12	1.11	1.08	1.05	1.02	1.00	0.98	
40 42	7.75	8.05 6.03	8.35	8.56	.8.66	8.67	9.59	8.46	8.39	8.42	8.44	8.33	8.07	7.78	7.53	7.36	7.24	+22
44	5.79 4.35	4.55	6.28 4.76	6.46	6.55 4.99	6.57 5.01	6.51 4.98	4.92	4.89	4.90	6.40 4.90	6.31 4.82	6.09 4.64	5.84 4.43	5.63	5.46	5.36 3.99	
46	3.30	3.46	3.64	3.77	3.84	3.86	3.84	3.80	3.79	3.79	3.78	3.71	3.57	3.40	3.23	4.09 3.09	2.99	
48	2.52	2.66	2.81	2.92	2.98	99	2.98	2.97	2.96	2.96	2.94	2.88	2.77	2.63	2.48	2.36	2.27	
50	1.93	2.05	2.18	2.28	2.32	2.33	2.33	2.33	2.33	2.33	2.31	2.25	2.17	2.05	1.93	1.81	1.73	
52	1.50	1.59	1.21	1.79	1.82	1.83	1.83	1.84	1.84	1.84	1.82	1.77	1.70	1.61	1.50	1.40	1.34	
54	1.16	1.24	1.34	1.41	1.44	1.44	1.44	1.45	1.46	1.46	1.43	1.39	1.34	1.26	1.17	1.09	1.04	
56	0.91	0.97	1.05	1.11	1.13	1.13	1.13	1.15	1.16	1.15	1.13	1.10	1.05	0.99	0.92	0.85	0.81	
58	7.06	7.57	8.21	8.69	8.88	0.68	8.91	9.03	9.15	9.11	8.90	8.59	8.19	7.70	7.14	6.66	6.34	+21
60	5.51	5.90	6.40	6.79	6.95	6.94	6.96	7.09	7.19	7.15	6.96	6.70	6.37	5.97	5.54	5.17	4.95	
62 64	4.29 3.33	4.58 3.54	4.96 3.82	5.27 4.06	5.40 4.17	5.40 4.17	5.42 4.19	5.52 4.27	5.61 4.34	5.57 4.31	5.41 4.18	5.19 3.99	4.92	4.60 3.52	4.26	4.00 3.07	3.84 2.96	
66	2.57	2.72	2.92	3.10	3.19	3.20	3.23	3.29	3.34	3.31	3.20	3.05	2.87	2.67	2.48	2.34	2.26	
68	1.98	2.08	2.22	2.34	2.42	2.44	2.47	2.52	2.55	2.52	2.44	2.32	2.17	2.02	1.87	1.77	1.72	
70	1.51	1.58	1.67	1.76	1.82	1.85	1.88	1.92	1.93	1.91	1.85	1.75	1.64	1.52	1.41	1.33	1,29	
72	1.15	1.19	1.25	1.31	1.36	1.39	1.43	1.45	1.46	1.44	1.39	1.32	1.23	1.14	1.05	1.00	0.96	
74	0.84	0.89	0 93	0.97	1.00	1.04	1.07	1.09	1.09	1.07	1.04	0.99	0.92	0.85	0.79	0.74	0.72	
76	6.43	6.65	6.88	7.10	7.37	7.70	7.97	8.07	0.03	7.92	7.73	7.38	6.89	6.35	5.88	5.54	5.32	+20
78	4.23	4.88	5.03	5.17	5.37	5.62	5.82	5.87	5.82	5.76	5.67	5.45	5.10	4.72	4.37	4.11	3,92	
80	3.41	3.53	3.63	3.73	3.86	4.03	4.15	4.15	4.11	4.10	4.08	3.96	3.74	3.47	3.22	3.02	2.87	
APRIL																		
18	2.24	2.26	2.33	2.44	2.57	2.68	2.75	2.79	2.80	2.78	2.72	2.63	2.53	2.45	2.39	2.36	2.35	+24
20	1.66	1.67	1.72	1.79	1.87	1.93	1.96	1.97	1.97	1.96	1.93	1.88	1.84	1.79	1.77	1.75	1.75	
22	1.21	1.23	1.27	1.31	1.35	1.38	1.39	1.39	1.39	1.38	1.37	1.35	1.33	1.31	1.30	1.29	1,29	
24	8.73	8.97	9.30	9.62	9.84	9.91	9.91	9.89	9.87	9.83	9.77	9.71	9.65	9.59	9.54	9.52	9.54	+23
26	6.26	6.51	6.81	7.04	7.16	7.18	7.14	7.10	7.07	7.06	7.05	7.03	7.01	6.98	6.98	7.00	7.04	
28	4.47	4.70	4.96	5.15 3.76	5.23 3.83	5.23 3.84	5.19 3.80	5.14 3.75	5.11 3.72	5.11 3.73	5.12 3.75	5.12 3.75	5.10 3.72	5.08 3.70	5.10 3.72	5.14 3.77	5.19 3.82	
30 32	2.28	2.44	2.61	2.74	2.81	2.82	2.80	2.76	2.73	2.74	2.76	2.75	2.72	2.70	2.72	2.77	2.81	
34	1.63	1.25	1.89	2.00	2.06	2.08	2.07	2.04	2.02	2.03	2.04	2.03	2.00	1.98	1.99	2.03	2.06	
36	1.17	1.26	1.37	1.46	1.52	1.54	1.54	1.52	1.51	1.51	1.52	1.51	1.48	1.46	1.46	1.49	1.51	
38	0.84	0.91	1.00	1.07	1.12	1.15	1.15	1.14	1.13	1.13	1.14	1.13	1.10	1.08	1.08	1.10	1.11	
40	6.14	6.65	7.29	7.89	8.33	8.59	8.65	8.59	8.53	8.54	8.56	8.47	8.29	8.13	8.08	8.12	8.18	+22
42	4.50	4.88	5.38	5.86	6.24	6.46	6.54	6.53	6.49	6.50	6.49	6.43	6.29	6.16	6.09	6.07	6.08	
44	3.33	3.61	4.00	4.40	4.71	4.90	4.99	5.00	4.99	4.98	4.97	4.92	4.82	4.71	4.63	4.58	4.56	
46 48	2.48 1.87	2.70	3.01	3.33 2.55	3.59 2.76	3.75 2.89	3.83	3.86 3.01	3.87	3.86 3.01	3.84	3.79 2.95	3.73	3.64 2.84	3.56	3.49 2.69	3.45 2.65	
50	1.42	1.56	1.75	1.96	2.14	2.25	2.32	2.36	3.02 2.37	2.36	2.34	2.73	2.28	2.23	2.16	2.09	2.05	
52	1.09	1.19	1.35	1.52	1.67	1.76	1.82	1.86	1.87	1.86	1.84	1.82	1.79	1.76	1.70	1.64	1.60	
54	0.84	0.92	1.05	1,19	1.30	1.38	1.43	1.47	1.48	1.47	1.45	1.43	1.42	1.39	1.34	1.29	1.26	
56	0.65	0.71	0.81	0.93	1.02	1.09	1.13	1.16	1.17	1.16	1.14	1.13	1.12	1.09	1.06	1.02	0.99	
58	5.08	5.54	6.30	7,21	8.00	8.53	8.87	9.13	9.25	9.16	8.98	8.85	8.77	8.40	B.30	7.98	7.77	+21
60	3.96	4.29	4.87	5.59	6.24	6.67	6.95	7.16	7.26	7.18	7.02	6.92	6.86	6.73	6.49	6.23	6.07	
62	3.08	3.31	3.75	4.31	4.83	5.18	5.41	5.58	5.66	5.58	5.45	5.37	5.34	5.24	5.04	4.84	4.71	
64	2.39	2.55	2.87	3.30	3.71	4.00	4.18	4.32	4.38	4.31	4.20	4.15 3.18	4.13	4.05	3.89 2.99	3.73 2.86	3.63 2.78	
66 68	1.84	1.95	2.18 1.65	2.51	2.83	3.06	3.21 2.45	3.32 2.53	3.36 2.55	3.30 2.51	2.46	2.43	2.42	2.37	2.20	2.18	2.12	
70	1.08	1.13	1.25	1.43	1.62	1.77	1.86	1.91	1.72	1.90	1.86	1.85	1.84	1.80	1.73	1.65	1.61	
72	0.82	0.86	0.94	1,07	1.21	1.33	1.40	1.43	1.43	1.42	1.41	1.40	1.39	1.36	1.31	1.25	1.22	
74	0.62	0.65	0.70	0.79	0.90	0.99	1.04	1.06	1.06	1.05	1.05	1.05	1.04	1.02	0.98	0.95	0.92	
76	4.67	4.86	5.25	5.87	6.64	7.34	7.72	7.78	7.73	7.74	7.81	7.85	7.78	7.60	7.37	7.12	6.92	+20
78	3.48	3.62	3.88	4.31	4.86	5.36	5.62	5.62	5.55	5.59	5.70	5.77	5.74	5.63	5.48	5.31	5.16	
80	2.57	2.66	2.84	3.13	3.50	3.84	3.99	3.97	3.91	3.94	4.06	4.16	4.18	4.13	4.03	3.90	3.78	

### ZONAL MEAN NUMBER DENSITY (/M CU)

KM LAT	= -80	-70	-60	-50	-40	- 30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
HAY																		
18	2.26	2.29	2.33	2.40	2.51	2.64	2.74	2.79	2.80	2.79	2.75	2.68	2.58	2.50	2.45	2.43	2.41	+24
20	1.66	1.69	1.72	1.77	1.83	1.90	1.95	1.97	1.97	1.96	1.94	1.91	1.86	1.03	1.81	1.81	1.80	
22	1.18	1.22	1.26	1.30	1.33	1.36	1.38	1.39	1.39	1.38	1.38	1.36	1.35	1.34	1.33	1.33	1.33	
24 26	8.16 5.63	8.66 6.11	9.18 6.63	9.52 6.96	9.70 7.10	9.83 7.13	9.90 7.14	9.91 7.12	9.89 7.10	9.87 7.10	9.86 7.13	7.84 7.14	9.80 7.14	9.7B 7.14	9.79 7.17	9.81 7.20	7.81 7.22	+23
28	3.89	4.30	4.76	5.07	5.20	5.21	5.19	5.16	5.14	5.16	5.19	5.21	5.22	5.22	5.25	5.28	5.31	
30	2.70	3.02	3.40	3.68	3.80	3.82	3.79	3.77	3.76	3.77	3.81	3.82	3.82	3.82	3.84	3.88	3.91	
32	1.88	2.12	2.42	2.66	2.78	2.81	2.79	2.77	2.76	2.78	2.81	2.82	2.81	2.81	2.82	2.84	2.89	
34	1.33	1.50	1.72	1.92	2.03	2.07	2.07	2.05	2.05	2.06	2.08	2.08	2.08		2.08	2.11	2.14	
36 38	0.95 0.68	0.77	1.23	1.38	1.49	1.53	1.54	1.53	1.53	1.54	1.55	1.55	1.54	1.54	1.55	1.57	1.59	
40	4.96	5.53	6.37	7.28	8.03	8.47	8.64	8.67	9.49	8.70	8.72	8.71	8.68	8.66	8.70	8.80	8.91	+22
42	3.65	4.04	4.64	5.34	5.95	6.35	6.54	6.59	6.40	6.61	6.62	6.61	6.59	6.59	6.62	6.68	6.75	
44	2.71	2.98	3.42	3.95	4.45	4.80	4.98	5.04	5.04	5.06	5.06	5.04	5.05	5.06	5.08	5.11	5.15	
46	2.03	2.22	2.54	2.95	3.36	3.66	3.62	3.89	3.90	3.90	3.90	3.90	3.91	3.92	3.93	3.95	3.97	
48 50	1.54	1.67	1.91	2.23 1.70	2.56 1.96	2.81 2.18	2.96	3.01 2.35	3.03 2.36	3.03 2.37	3.03 2.37	3.04 2.38	3.05 2.39	3.06 2.41	3.07 2.42	3.08 2.42	3.09	
52	0.90	0.98	1.11	1.30	1.52	1.69	1.80	1.84	1.85	1.86	1.86	1.87	1.89	1.90	1.91	1.91	1.91	
54	0.70	0.75	0.86	1.01	1.18	1.32	1,-41	1.45	1.46	1.46	1.46	1.48	1.49	1.51	1.51	1.51	1.51	
56	0.54	0.58	0.46	0.78	0.92	1.04	1.11	1.14	1.15	1.15	1.15	1.16	1.18	1.19	1.20	1.20	1.20	
58	4.22	4.53	5.14	6.03	7.11	8.09	8.74	9.01	9.04	9.02	9.05	9.17	9.31	9.44	9.51	9.54	9.54	+21
60	3.29	3.53	3.98	4.66	5.50	6.30	6.85	7.08	7.10	7.06	7.08	7.18	7.32	7.43	7.51	7.55	7.57	
62 64	2.56 1.98	2.74	3.08 2.38	3.59 2.76	4.24 3.25	4.88 3.75	5.34 4.14	5.54 4.30	5.55 4.30	5.50 4.26	5.51 4.27	5.60 4.34	5.72 4.44	5.82 4.53	5.90 4.60	3.95 4.66	5.98 4.70	
66	1.53	1.64	1.83	2.11	2.48	2.87	3.18	3.31	3.31	3.27	3.28	3.34	3.42	3.50	3.57	3.63	3.67	
68	1.17	1.26	1.40	1.61	1.88	2.18	2.42	2.52	2.52	2.49	2.51	2.56	2.62	2.68	2.75	2.81	2.85	
70	0.89	0.96	1.07	1.22	1.42	1.65	1.83	1.90	1.89	1.88	1.90	1.94	1.99	2.04	2.10	2.16	2.20	
72	0.68	0.73	0.82	0.93	1.07	1.24	1.37	1.41	1,41	1.41	1.43	1.47	1.50	1.54	1.59	1.65	1.67	
74	0.51	0.54	0.62	0.70	0.81	0.92	1.01	1.04	1.03	1.04	1.07	1.10	1.12	1.15	1.20	1.25 9.40	1.28	+20
76 78	3.82 2.86	4.18	4.66 3.48	5.25 3.90	6.01 4.42	6.83 4.97	7.37 5.29	7.48 5.32	7.44 5.30	7.57 5.44	7.87 5.70	8.13 5.92	8.30 6.05	0.55 6.27	8.97 6.64	7.00	7.67	+20
80	2.14	2.33	2.57	2.84	3.18	3.54	3.73	3.73	3.71	3.83	4.04	4.21	4.33	4.53	4.85	5.14	5.28	
JUNE																		
18	2.26	2.32	2.36	2.40	2.48	2.60	2.72	2.77	2.78	2.77	2.76	2.71	2.64	2.56	2.49	2.46	2.45	+24
20	1.66	1.70	1.73	1.76	1.81	1.88	1.94	1.96	1.96	1.95	1.94	1.92	1.90	1.86	1.84	1.83	1.82	
22	1.14 0.77	1.20	1.26	1.29	1.32	1.35 0.98	1.38	1.39	1.39	1.38	1.38	1.38	1.37	1.36	1.36	1.36	1.35	
24 26	5.10	5.69	6.39	6.89	7.11	7.17	7.18	7.17	7.16	7.15	7.18	7.24	7.29	7.32	7.35	7.39	7.43	+23
28	3.41	3.89	4.50	4.99	5.22	5.25	5.22	5.20	5.20	5.21	5.25	5.30	5.34	5.38	5.41	5.45	5.50	
30	2.31	2.67	3.16	3.59	3.82	3.86	3.83	3.80	3.81	3.83	3.86	3.89	3.93	3.96	3.99	4.03	4.08	
32	1.59	1.85	2.22	2.57	2.79	2.84	2.82	2.80	2.81	2.82	2.85	2.87	2.90	2.92	2.95	2.99	3.03	
34	1.11	1.29	1.56	1.84	2.03	2.09	2.08	2.07	2.08	2.09	2.11	2.13	2.15	2.17	2.19 1.64	2.22	2.26	
36 38	0.79 0.57	0.91 0.66	1.11	1.32	1.47	1.54	1.55	1.54	1.55	1.56	1.57	1.59	1.20	1.62	1.23	1.25	1.28	
40	4.15	4.76	5.72	6.83	7.81	8.42	8.67	8.73	8.75	8.78	8.84	8.93	9.05	9.19	9.35	9.53	9.68	+22
42	3.07	3.50	4.18	4.98	5.73	6.27	6.55	6.62	6.63	6.64	6.69	6.77	6.87	7.00	7.15	7.29	7.40	
44	2.29	2.61	3.09	3.66	4.25	4.71	4.98	5.06	5.05	5.06	5.10	5.17	5.26	5.38	5,51	5.63	5.69	
46	1.73	1.96	2.30	2.73	3.18	3.57	3.81	3.89	3.88	3.88	3.92	3.98	4.06	4.17	4.28	4.37	4.42	
48	1.32	1.49	1.74	2.06 1.56	2.41 1.84	2.73	2.94 2.28	3.01 2.34	3.00 2.33	3.00 2.33	3.03 2.36	3.09 2.41	3.16 2.47	3.25 2.55	3.35 2.64	3.42	3.45 2.72	
50 52	0.78	0.88	1.02	1.20	1.42	1.64	1.78	1.83	1.82	1.82	1.85	1.89	1.94	2.01	2.09	2.14	2.15	
54	0.61	0.68	0.79	0.93	1.10	1.28	1.40	1.43	1.42	1.42	1.45	1.49	1.53	1.59	1.66	1.70	1.71	
56	0.47	0.53	0.61	0.72	0.86	1.00	1.10	1.13	1.12	1.12	1.14	1.18	1.21	1.26	1.32	7.35	1.36	
58	0.37	0.41	0.48	0.56	0.67	0.78	0.86	0.89	0.88	0.88	0.90	0.93	0.96	1.00	1.05	1.08	1.09	
60	2.91	3.24	3.72	4.34	5.16	6.08	6.77	6.97	6.89	6.89	7.05	7.28 5.70	7.54 5.91	7.88 6.20	8.29 6.55	8.59 6.62	8.69 6.92	+21
62 64	2.28 1.78	2.54	2.90	3.36 2.59	3.98 3.06	4.71 3.63	5.28 4.09	5.45 4.23	5.38 4.17	5.37 4.16	5.50 4.27	4.43	4.60	4.85	5.16	5.40	5.50	
86	1.38	1.55	1.75	1.99	2.34	2.78	3.14	3.26	3.21	3.20	3.28	3.41	3.56	3.77	4.04	4.25	4.34	
68	1.07	1.20	1.35	1.53	1.78	2.11	2.39	2.48	2.44	2.43	2.50	2.60	2.73	2.91	3.14	3.33	3.41	
70	0.82	0.92	1.04	1.17	1.35	1.60	1.80	1.87	1.84	1.83	1.88	1.97	2.07	2.22	2.42	2.58	2.66	
72	0.62	0.70	0.79	0.89	1.03	1.20	1.35	1.39	1.37	1.36	1.41	1.47	1.56	1.68	1.85	1.99	2.05	
74	0.47	0.53	0.60	0.68	0.78	0.90	0.99	1.02	1.00	1.00	1.04	1.09	1.16	1.26	1.39	1.51	1.37	
76 78	0.35 2.63	0.40 2.98	0.45 3.39	0.51 3.80	0.58 4.28	0.66 4.81	0.72 5.16	5.20	0.72 5.14	5.21	5.45	5.73	6.09	6.72	7.60	8.39	8.79	+20
80	1.96	2.22	2.50	2.75	3.05	3.40	3.62	3.64	3.60	3.68	3.87	4.06	4.32	4.78	5.46	6.08	6.38	

## ZONAL MEAN NUMBER DENSITY (78 CU)

KM LAT :	- 80	-70	-60	-50	- 40	-30	-20	-10	0	10	20	10	40	50	60	70	80	DEG
JULY		•																
18	2.27	2.31	2.35	2.39	2.48	2.61	2.72	2.79	2.79	2.77	2.75	2.74	2.69	2.61	2.54	2.50	2.49	+24
20 22	1.63	1.67	1.21	1.75	1.81	1.88	1.95	1.98	1.97	1.95	1.94	1.94	1.93	1.90	1.88	1.86	1.85 1.37	
24	0.69	0.77	0.86	0.93	0.96	0.98	0.99	1.00	1.00	1.00	1.00	1.01	1.01	1.02	1.02	1.02	1.02	
26 28	4.50 2.98	5.13 3.45	5.96 4.15	6.69 4.81	7.0?	7.17	7.19	7.21	7.22	7.22	7.24	7.32	7.42	7.47	7.48	7.50	7.55	+23
30	2.02	2.36	2.89	3.45	5.19 3.80	5.27 3.89	5.24 3.84	5.23 3.83	5.25 3.85	5.27 3.87	5.30 3.89	5.36 3.94	5.44	5.49 4.05	5.51 4.07	5.54	5.60 4.16	
32	1.41	1.65	2.03	2.47	2.78	2.87	2.83	2.82	2.83	2.85	2.87	2.91	2.96	3.00	3.01	3.05	3.10	
34 36	1.01	1.17	1.44	1.78	2.03	2.12 1.56	2.10 1.56	2.08 1.55	2.09 1.56	2.11 1.57	2.12 1.58	2.15 1.60	2.20	2.23	2.24 1.68	2.27 1.70	2.32 1.74	
38	0.54	0.62	0.75	0.93	1.08	1.15	1.16	1.16	1.16	1.17	1.18	1.19	1.22	1.25	.1.26	1.26	1.31	
40 42	4.00	4.56 3.41	5.54 4.12	6.81 5.04	7.94 5.87	8.54 6.36	8.68 6.53	8.68 6.55	B.70 6.56	8.75 6.59	8.82 6.65	8.97 6.78	9.20 6.97	9.42 7.17	9.59 7.33	9.75 7.46	9.92 7.57	+22
44	2.26	2.57	3.10	3.76	4.38	4.78	4.94	4.98	4.98	5.00	5.05	5.16	5.32	5.49	5.64	5.74	5.81	
46 48	1.71	1.96	2.35 1.80	2.84	3.30	3.62 2.78	3.78 2.91	3.81 2.94	3.81	3.82 2.94	3.86 2.97	3.95 3.05	4.09	4.24	4.37 3.41	4.46 3.48	4.50	
50	1.00	1.15	1.39	1.67	1.94	2.15	2.26	2.29	2.28	2.28	2.31	2.37	3.16	3.30 2.58	2.68	2.73	3.51 2.75	
52	0.78	0.89	1.08	1.30	1.51	1.68	1.22	1.79	1.78	1.78	1.80	1.85	1.93	2.03	2.11	2.16	2.17	
54 56	0.61	0.70 0.55	0.84	1.01	1.18	1.31	1.39	1.40	1.39	1.39	1.41	1.46	1.52	1.60	1.67	1.71 1.36	1.72	
58	0.38	0.43	0.51	0.61	0.72	0.81	0.86	0.87	0.86	0.86	0.87	0.90	0.94	1.00	1.05	1.08	1.09	
60 62	2.98 2.35	3.37	3.99 3.11	4.75 3.67	5.57 4.29	6.30 4.87	6.73 5.24	6.82 5.32	6.73 5.26	6.71 5.23	6.83 5.32	7.07 5.52	7.43	7.86 6.17	8.30 6.55	8.60 6.83	8.72 6.94	+21
64	1.85	2.08	2.42	2.82	3.28	3.74	4.05	4.13	4.08	4.05	4.12	4.28	5.81 4.51	4.82	5.16	5.40	5.51	
66	1.45	1.63	1.87	2.16	2.49	2.84	3.10	3.18	3.14	3.12	3.17	3.29	3.47	3.74	4.03	4.26	4.36	
6B 70	1.12	1.26	1.44	1.64	1.88	2.15	2.35 1.77	2.42 1.83	2.40 1.82	2.3B 1.80	2.41 1.82	2.50 1.88	2.65 2.00	2.87 2.18	3.13 2.41	3.34	3.43 2.69	
72	0.66	0.74	0.84	0.94	1.96	1.20	1.32	1.36	1.36	1.35	1.36	1.40	1.49	1.65	1.84	2.00	2.08	
74 76	0.49 0.37	0.55	0.63	0.21	0.80 0.59	0.89	0.97 0.71	1.01	3.01 0.73	1.00	1.00	1.03	1.10	1.22	1.39	1.53	1.60	
78	2.75	3.07	3.47	3.89	4.34	4.79	5.13	5.27	5.27	5.25	5.27	5.40	5.76	6.49	7.49	8.40	8.90	+20
80	2.03	2.28	2.56	2.82	3.10	3.41	3.64	3.72	3.71	3.71	3.76	3.86	4.10	4.61	5,34	6.02	6.41	
AUGUST																		
18	2.47	2.43	2.39	2.39	2.47	2.62	2.75	2.81	2.81	2.78	2.75	2.72	2.67	2.60	2.53	2.48	2.46	+24
20 22	1.75	1.75	1.74	1.75	1.80	1.90	1.97	2.00	1.99	1.97	1.95	1.94	1.93	1.90	1.87 1.37	1.84	1.83	
24	0.69	0.76	0.86	0.92	0.96	0.99	1.00	1.01	1.00	1.00	1.00	1.01	1.02	1.01	1.01	1.01	1.00	
26	4.32	5.04	5.95	6.68	7.05	7.18	7.23	7.24	7.22	7.21	7.26	7.35	7.42	7.44	7.41	7.40	7.42	+23
28 30	2.83	3.40 2.35	4.17	4.84	5.19 3.62	5.27 3.89	5.26 3.86	5.25 3.83	5.25 3.84	5.26 3.86	5.30 J.89	5.38 3.95	5.44 4.00	5.46 4.03	5.45 4.02	5.46 4.03	5.48 4.05	
32	1.37	1.67	2.11	2.54	2.81	2.87	2.84	2.82	2.82	2.84	2.87	2.91	2.95	2.97	2.98	2.98	3.00	
34 36	1.00 0.75	1.21	1.52	1.85	2.07 1.52	2.12 1.57	2.10	2.08	2.09 1.55	2.10 1.56	2.12 1.57	2.15 1.59	2.18 1.62	2.21 1.64	2.21	2.22 1.65	2.23 1.66	
38	0.56	0.67	0.83	1.00	1.12	1.16	1.16	1.15	1.15	1.16	1.12	1.19	1.21	1.23	1.24	1.24	1.25	
40	4.24	5.03	6.22	7.45	8.31	8.66	8.69	8.63	8.62	8.66	8.76	8.91	9.08	9.24	9.33	9.38	9.40	+22
42 44	3.21	3. <b>83</b> 2.93	4.71 3.60	5.59 4.23	6.20 4.66	6.48 4.88	6.54 4.96	6.52 4.96	6.50 4.94	6.53 4.95	6.60 5.01	6.72 5.11	6.86 5.22	7.00 5.34	7.09 5.43	7.13 5.46	7.13 5.45	
46	1.86	2.25	2.77	3.23	3.54	3.72	3.80	3.81	3.79	3.79	3.84	3.91	4.01	4.11	4.19	4.21	4.19	
48 50	1.43	1.74	2.14	2.49 1.93	2.71	2. <b>85</b> 2.21	2.93	2.95	2.93	2.93	2.96 2.30	3.02 2.35	3.10 2.41	3.18	3.25 2.54	3.27 2.55	3.25 2.53	
52	0.87	1.06	1.30	1.50	1.63	1.23	1.29	1.81	1.80	1.28	1.79	1.83	1.88	1.94	1.99	2.00	1.98	
54	0.68	0.83	1.01	1.17	1.27	1.35	1.41	1.43	1,42	1.40	1.41	1.43	1.46	1.53	1.57	1.57	1.55	
56 58	0.54 4.31	0.65 5.15	0.79 6.16	0.91 2.03	0.99 7.69	1.06 8.29	1.11 8.75	1.13	1.12 8.79	1.10 8.64	1.10	1.12	1.16	1.20 9.44	1.23	1.24 9.76	1.22	+21
60	3.43	4.05	4.79	5.42	5.94	6.44	6.85	6.98	6.89	6.76	6.75	6.87	7.10	7.39	7.63	7.69	7.61	
62	2.71	3.17	3.71 2.85	4.15	4.55 3.46	4.96 3.79	5.32 4.10	5.44 4.21	5.37 4.15	5.26 4.07	5.25 4.06	5.34 4.13	5.52 4.26	5.75 4.46	5.97 4.65	6.05 4.75	6.06 4.73	
64 66	1.65	1.90	2.85	3.16 2.39	2.61	2.88	3.13	3.23	3.19	3.13	3.12	3.17	3.26	3.43	3.41	3.71	3.72	
68	1.27	1.46	1.65	1.80	1.96	2.17	2.37	2.46	2.44	2.39	2.39	2.41	2.48	2.62	2.78	2.89	2.91	
70 72	0.96 0.73	1.10	1.25	1.35	1.46	1.62	1.78	1.86	1.85	1.82	1.81	1.82	1.87	1.98	2.13	2.24	2.27 1.75	
74	0.55	0.62	0.69	0.75	0.81	0.90	0.99	1.03	1.04	1.03	1.02	1.02	1.04	1.11	1.21	1.30	1.34	
76	0.41	0.46	0.51	0.56	0.61	0.67	0.73	0.76 5.51	0.77 5.54	0.76 5.54	0.76 5.52	0.75 5.47	0.76 5.55	0.82 5.92	0.90 6.55	0.97 7.13	1.01 7.42	+20
78 80	3.04 2.20	3.40 2.51	3.79 2.81	4.11 3.01	4.46 3.23	4.90 3.53	5.31 3.80	3.90	3.90	3.91	3.94	3.93	3.98	4.23	4.67	5.10	5.31	- 2 7

Control of the Contro

## ZONAL MEAN NUMBER DENSITY (/M CU)

KR LAT	<b>=</b> -80	-70,	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	20	80	DEG
SEPTEME	ER																	
18	2.36	2.25	2.21	2.31	2.50	2.66	2.75	2.80	2.81	2.79	2.75	2.70	2.63	2,54	2.45	2.39	2.38	+24
20	1.64	1.61	1.62	1.70	1.82	1.92	1.97	1.98	1.98	1.97	1.96	1.94	1.91	1.87	1.81	1.78	1.77	
22	1.06	1,10	1.16	1.25	1.33	1.38	1.40	1.40	1.40	1.39	1.39	1.39	1.38	1.36	1.33	1.31	1.30	
24 26	0.68	0.74 5.09	0.83 5.95	0.91 6.71	0.97 7.13	1.00 7.24	1.00	1.00 7.20	1.00 7.17	0.99 7.17	1.00	1.00 7.29	1.01 7.33	1.00	0.98	0.96	0.96	+23
28	3.01	3.55	4.28	4.91	5.24	5.30	5.25	5.22	5.21	5.22	5.26	5.32	5.36	7.28 5.34	7.18 5.27	7.09 5.21	7.06 5.19	723
30	2.11	2.52	3.09	3.60	3.86	3.89	3.84	3.82	3.82	3.83	3.85	3.90	3.93	3.92	3.87	3.83	3.82	
32	1.54	1.84	2.25	2.64	2.84	2.86	2.83	2.81	2.81	2.82	2.84	2.87	2.89	2.88	2.85	2.82	2.81	
34 36	1.15 0.87	1.36	1.66	1.94	2.09 1.54	2.11	2.09 1.55	2.07	2.08	2.09	2.10	2.11	2.13	2.12	2.10	2.08	2.04	
38	0.67	0.77	0.92	1.06	1.14	1.57	1.33	1,15	1,54	1.55	1.56	1.57	1,57	1.57	.1.55 1.15	1.53	1.52	
40	5.15	5.93	6.96	7.89	8.45	8.67	8.70	8.66	8.65	8.66	8.70	8.74	8.75	8.71	8.40	8.43	8.27	+22
42	3.98	4.56	5.30	5.93	8.32	6.51	6.58	6.57	6.54	6.55	6.57	6.59	6.59	6.56	6.46	6.31	6.15	
44	3.09	3.53	4.07	4.50	4.77	4.93	5.01	5.02	5.00	4.99	5.00	5.01	5.00	4.97	4.89	4.75	4.60	
46 48	2.40 1.87	2.74	3.14 2.43	3.44 2.65	3.63	3.77 2.91	3.85 2.99	3.87 3.01	3.85 3.00	3.84 2.98	3.84 2.97	3.84 2.97	3.83 2.96	3.80 2.93	3.73 2.07	3.61 2.76	3.47 2.63	
50	1.47	1.67	1.89	2.05	2.16	2.26	2.33	2.36	2.35	2.33	2.32	2.31	2.30	2.28	2.22	2.12	2.01	
52	1.16	1.31	1.48	1.60	1.68	1.76	1.83	1.86	1.85	1.83	1.82	1.81	1.80	1.78	1.73	1.64	1.55	
54	0.92	1.03	1.15	1.24	1.31	1.38	1,44	1.47	1.46	1.44	1.43	1.42	1.41	1.40	1.35	1.28	1.20	
56	0.73	0.81	0.90	0.97	1.03	1.09	1.14	1.16	1.16	1.14	1.12	1.11	1.11	1.10	1.06	1.00	0.93	
58 60	5.81 4.60	6.35 4.97	6.97 5.40	7.50 5.78	7.98 6.18	8.49 6.61	8.95 7.00	9.16 7.18	9.11 7.14	8.95 7.00	8.80 6.87	8.72 6.81	8.68 6.77	8.57 6.68	8.27 6.44	7.77 6.05	7.26 5.66	+21
62	3.62	3.87	4,16	4.44	4.75	5.11	5.44	5.59	5.55	5.44	5.34	5.29	5.25	5.18	4.99	4.70	4.41	
64	2.93	3.00	3.19	3.38	3.63	3.93	4,19	4.31	4.29	4.20	4.12	4.08	4.05	3.98	3.84	3.63	3.42	
66	2.19	2.30	2.43	2.57	2.75	2.99	3.21	3.30	3.28	3.22	3.16	3.13	3.09	3.04	2.94	2.79	2.65	
68 70	1.68	1.76	1.84	1.94	2.08	2.27	2.44	2.51	2.50	2.45	2.42	2.38	2.35	2.30	2.23	2.13	2.04	
7 <b>0</b> 72	1.28 0.96	1.33	1.39	1.46	1.57	1.71	1.84	1.89	1.89	1.86	1.84	1.80	1.76	1.73	1.68	1.62	1.56	
74	0.72	0.75	0.78	0.82	0.88	0.96	1.03	1.05	1.06	1.05	1.04	1.01	0.98	0.95	0.94	0.92	0.89	
76	5.40	5.57	5.80	6.13	6.61	7.16	7.57	7.74	7.78	7.81	7.74	7.50	7.19	6.99	6.90	6.79	6.63	+20
78	3.99	4.13	4.31	4.55	4.89	5.27	5.52	5.60	5.62	5.67	5.65	5.48	5.23	5.09	5.04	4.97	4.85	
80	2.91	3.06	3.20	3.35	3.56	3.80	3.95	3.96	3.94	4.00	4.03	3.93	3.76	3.65	3.63	3.59	3.49	
OCTOBER	₹																	
18	2.29	2.26	2.28	2.39	2.55	2.68	2.75	2.78	2.79	2.78	2.75	2.68	2.59	2.48	2.38	2.31	2.28	+24
20	1.64	1.64	1.68	1.76	1.85	1.92	1.95	1.96	1.97	1.97	1.96	1.93	1.88	1.82	1.75	1.71	1.67	
22	1.13	1.17	1.22	1.29	1.35	1.38	1.39	1.39	1.39	1.39	1.39	1.38	1.36	1.33	1.29	1.26	1.24	
24 26	7.67 5.27	9.21 5.80	8.90 6.46	9.51 6.98	9.86 2.22	9.96 2.23	9.93 7.17	9.89 7.12	9.88 2.10	9.90 7.12	9.93 7.16	9.94 7.19	9.87 7.18	9.70 7.09	9.46 6.93	9.25 6.78	9.12 6.68	+23
28	3.68	4.14	4.20	5.12	5.29	5.28	5.22	5.17	5.15	5.17	5.20	5.24	5.24	5.18	5.07	4.96	4.87	
30	2.63	3.00	3.43	3.75	3.87	3.87	3.82	3.78	3.77	3.78	3.81	3.84	3.83	3.78	3.70	3.61	3.54	
32	1.92	2.20	2.52	2.75	2.84	2.84	2.82	2.29	2.77	2.79	2.81	2.02	2.80	2.76	2.70	2.62	2.55	
34	1.43	1.63	1.86	2.02	2.08	2.10	2.08	2.06	2.05	2.06	2.08	2.08	2.06	2.02	1.97	1.90	1.84	
36 38	1.09 0.83	1.22	1.38	1,49	1.54	1.55	1.55	1.54	1.53	1.54	1.55	1.54	1.51	1.48	1.43	1.38	1.32	
40	6.46	7.13	7.81	8.25	8.48	8.54	8.71	8.48	8.65	8.68	8.69	8.56	8.33	8.05	7.71	7.26	6.82	+22
42	5.04	5.50	5.95	6.22	6.38	6.52	6.60	6.60	6.58	6.59	6.57	6.45	6.24	6.00	5.71	5.31	4.93	
44	3.96	4.28	4.57	4.74	4.85	4.96	5.05	5.06	5.04	5.04	5.01	4.89	4.71	4.51	4.26	3.92	3.60	
46 48	3.13	3.35	3.54 2.76	3.64	3.72	3.81 2.96	3.89 3.02	3.91 3.05	3.90 3.04	3.89 3.02	3.85 2.98	3.74 2.88	3.59	3.42 2.62	3.21	2.92	2.45 1.97	
50	2.47 1.96	2.63	2.16	2.83	2.88	2.76	2.37	2.39	2.38	2.36	2.32	2.24	2.14	2.02	1.87	1.67	1.49	
52	1.56	1.64	1.20	1.23	1.76	1.81	1.84	1.88	1.88	1.86	1.82	1.75	1.67	1.57	1.44	1.28	1.13	
54	1.24	1.29	1.33	1.36	1.38	1.43	1.47	1.49	1.48	1.47	1.43	1.38	1.31	1.23	1.12	0.98	0.87	
56	0.98	1.02	1.05	1.07	1.09	1,12	1.16	1.17	1.17	1.16	1.13	1.08	1.03	0.96	0.87	0.76	0.68	
58	7.77	8.00	8.20	8.34	8.53	8.81	7.08	9.23	9.24	9.12	8.07 6.95	0.51	8.04 6.27	7,47 5,80	6.73 5.21	5.91 4. <b>58</b>	5.25 4.09	+21
60 62	6.12 4.79	6.26 4.88	6.39 4.96	6.50 5.03	6.65 5.16	6.88 5.34	7.10 5.52	7.23 5.63	7.24 5.64	7.15 5.57	5.41	6.65 5.17	4.86	4.48	4.02	3.54	3.18	
64	3.73	3.78	3.82	3.88	3.97	4.12	4.26	4.35	4.36	4.30	4.18	3.99	3.74	3.43	3.08	2.73	2.46	
66	2.88	2.91	2.93	2.97	3.04	3.16	3.27	3.33	3.34	3.30	3.21	3.06	2.86	2.61	2.34	2.09	1.90	
68	2.22	2.23	2.24	2.26	2.32	2.41	2.49	2.53	2.53	2.51	2.44	2.33	2.16	1.97	1.77	1.59	1.46	
20	1.69	1.70	1.70	1.72	1.76	1.83	1.89	1.91	1.91	1.89	1.85	1.76	1.63	1.48	1.34	1.21	1.12	
72 74	1.28	1.29	1.29	1.30	1.33	1.39	1.42	1.43	1.42	1.41	1.39	1.32	1.22	1.10 0.82	0.75	0.49	0.64	
76	7.28	7.33	7.31	7.33	7.52	7.78	7.87	7.74	7.64	7.68	7.66	7.29	6.65	4.03	5.55	5.14	4.81	+20
78	5.44	5.48	5.45	5.44	5.55	5.72	5.73	5.58	5.48	5.55	5.57	5.32	4.86	4.42	4.09	3.81	3.57	
80	4.03	4.06	4.03	3.99	4.02	4.10	4.07	3.93	3.86	3.92	3.97	3.82	3.50	3.20	2.98	2.78	2.60	

## ZONAL MEAN NUMBER DENSITY (74 CU)

KM LAT	80	-20	-60	-50	~40	-30	-20	-10	0	10	20	30	40	50	60	70	80	DEG
NOVEMB	ER	•																
18	2.16	2.25	2.38	2.54	2.69	2.81	2.85	2.85	2.83	2.83	2.79	2.70	2.57	2.45	2.38	2.33	2.29	+24
20	1.60	1.67	1.76	1.85	1.94	1.99	2.00	1.99	1.79	1.99	1.98	1.94	1.87	1.80	1.75	1.72	1.69	
22 24	1.17	1.22	1.29	1.35	1.39	1.41	1.41	1.40	1.40	1.40	1.40	1.38	1.35	1.31	1.28	1.26	1.24	
26	6.31	6.57	6.89	7.14	7.25	7.24	7.18	7.12	7.09	7.10	7.12	7.13	7.08	6.95	6.76	6.54	6.41	+23
28	4.65	4.84	5.04	5.19	5.25	5.23	5.18	5.14	5.11	5.11	5.14	5.16	5.14	5.04	4.89	4.71	4.56	
30	3.45	3.58	3.71	3.79	3.81	3.80	3.77	3.74	3.71	3.72	3.24	3.75	3.73	3.65	3.52	3.36	3.22	
32 34	2.58 1.94	1.99	2.74	2.78	2.78 2.05	2.78	2.76	2.74	2.72	2.73	2.74	2.74	2.71	2.64	2.53	2.39	2.27	
36	1.47	1.50	1.53	1.52	1.51	1.52	1.52	2.03	2.01	1.50	2.02 1.50	2.01	1.98	1.91	1.82	1.70	1.60	
38	1.12	1,14	1.15	1.14	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.10	1.06	1.01	0.94	0.87	0 30	
40	0.57	B.74	8.77	8.65	8.54	8.53	8.56	8.55	8.53	3.53	8.46	8.23	7.85	7.39	6.85	6.24	5.72	+22
42	6.61	6.73	6.73	6.61	6.51	6.49	6.51	6.51	6.50	6.50	6.42	6.19	5.85	5.46	5.01	4.53	4.13	
44 46	5.14 4.02	5.22 4.08	5.21	5.10 3.97	5°.00 3.89	4.98 3.86	5.00 3.87	5.00 3.86	4.99 3.86	4.98	4.90	4.70 3.60	4.40	4.07	3.71	3.33 2.48	3.03 2.25	
48	3.16	3.20	3.18	3.11	3.04	3.01	3.01	3.01	3.00	2.99	2.93	2.78	2.56	2.33	2.09	1.87	1.69	
50	2.50	2.53	2.51	2.45	2.39	2.37	2.36	2.35	2.35	2.34	2.28	2.16	1.98	1.79	1.60	1.42	1.29	
52	1.98	2.00	1.99	1.94	1.89	1.87	1.86	1.85	1.84	1.83	1.79	1.69	1.54	1.38	1.23	1.09	0.99	
54	1.58	1.59	1.58	1.54	1.50	1.48	1.46	1.45	1.45	1.44	1.41	1.32	1.20	1.07	0.95	0.85	0.77	
56 58	1.25	1.26	1.25	1.22	1.19	1.17	1.15	1.14 0.90	1.14	1.13	1.11	1.04	0.94	0.84	0.74	0.66	0.60	
60	7.94	7.96	7.84	7.60	7.38	7.22	7.12	7.04	0.89 2.01	0.89 6.99	0.87 6.79	6.32	5.68	0.65 5.03	0.58 4.47	0.51 4.00	0.47 3.67	+21
62	6.29	6.28	6.16	5.96	5.27	5.64	5.55	5.49	5.47	5.45	5.29	4.90	4.38	3.88	3.45	3.10	2.85	
64	4.96	4.93	4.81	4.64	4.49	4.38	4.30	4.25	4.24	4.23	4.09	3.78	3.36	2.97	2.65	2.39	2.21	
66	3.88	3.84	3.73	3.59	3.47	3.38	3.31	3.27	3.27	3.26	3.15	2.89	2.56	2.26	2.03	1.83	1.69	
68	3.02	2.97	2.87	2.75	2.66	2.59	2.53	2.50	2.49	2.49	2.40	2.20	1.94	1.72	1.54	1.40	1.29	
70 72	2.33 1.79	2.28 1.74	1.67	2.10 1.58	2.02 1.53	1.97	1.93	1.89	1.88	1.88	1.81	1.66	1.46	1.29	1.17	1.06	0.98 0.74	
74	1.36	1.32	1.25	1.19	1.14	1.12	1.08	1.05	1.03	1.04	1.01	0.93	0.82	0.73	0.66	0.60	0.56	
26	1.02	0.99	0.94	0.88	0.85	0.83	0.80	0.77	0.75	0.75	0.74	0.69	0.61	0.54	0.49	0.45	0.42	
.78	7.64	2.40	6.94	6.48	6.19	6.03	5.80	5.52	5.38	5.41	5.36	5.01	4.47	4.02	3.68	3.36	3.08	+20
80	5.64	5.46	5.10	4.71	4.45	4.30	4.12	3.90	3.79	3.82	3.81	3.59	3.24	2.93	2.70	2.47	2.27	
DECEMB	ER																	
18	2.28	2.32	2.41	2.54	2.70	2.83	2.88	2.87	2.84	2.83	2.80	2.69	2.55	2.43	2.35	2.32	2.31	+24
20	1.70	1.72	1.77	1.85	1.93	1.99	2.01	2.00	1.99	2.00	1.98	1.93	1.85	1.78	1.73	1.70	1.69	
22	1.26	1.28	1.30	1.34	1.39	1.41	1.41	1.41	1.40	1.41	1.40	1.38	1.33	1.29	1.25	1.23	1.21	
24	0.93	0.94	0.96	0.98	1.00	1.01	1.00	1.00	1.00	1.00	1.00	0.98	0.96	0.94	0.91	0.88	0.85	
26 28	6.94 5.17	6.98 5.18	7.05 5.19	7.13 5.21	7.20 5.22	7.22 5.22	7.19 5.19	7.14 5.15	7.12 5.12	7.11 <b>5.11</b>	7.10 5.10	7.05 5.09	6.96 5.05	6.80 4.95	6.56 4.73	6.24	5.95 4.14	+23
30	3.84	3.85	3.84	3.82	3.81	3.79	3.77	3.74	3.72	3.70	3.70	3.69	3.68	3.60	3.41	3.13	2.88	
32	2.90	2.88	2.85	2.82	2.80	2.78	2.76	2.74	2.72	2.71	2.70	2.70	2.68	2.62	2.45	2.22	2.01	
34	2.18	2.16	2.13	2.10	2.07	2.05	2.03	2.02	2.01	2.00	1.99	1.98	1.96	1.90	1.77	1.58	1.41	
36	1.65	1.63	1.60	1.57	1.54	1.53	1.51	1.50	1.49	1.49	1.48	1.47	1.44	1.39	1.27	1.13	1.00	
38 40	1.26 9.61	9.50	1.22	1.19 9.03	1.16	1.14 8.66	1.13	1.12 8.48	1.12	1.11 8.41	1.11	1.09 8.18	1.06 7.89	1.01 7.41	0.92 6.69	0.81 5.85	0.72 5.18	+22
42	7.40	7.32	7.15	6.94	6.75	6.61	6.51	6.44	6.41	6.40	6.34	6.18	5.90	5.47	4.89	4.27	3.80	*22
44	5.74	5.68	5.54	5.37	5.21	5.08	4.99	4.93	4.90	4.90	4.85	4.71	4.45	4.07	3.61	3.15	2.81	
46	4.48	4.43	4.33	4.1B	4.05	3.94	3.85	3.79	3.77	3.77	3.74	3.62	3.38	3.06	2.69	2.35	2.10	
48	3.52	3.48	3.40	3.28	3.16	3.07	2.99	2.94	2.92	2.92	2.90	2.80	2.60	2.32	2.02	1.77	1.59	
50 52	2.78	2.75	2.68	2.59	2.49	2.41	2.34 1.83	2.29	2.27	2.27	2.26	2.18 1.71	2.01	1.78	1.54	1.34	1.21	
52 54	2.21 1.76	2.18	2.13	2.05 1.62	1.96	1.89	1,44	1.79	1.77	1.77	1.77	1.34	1.56	1.06	0.91	0.79	0.73	
56	1.40	1.39	1.35	1.29	1.23	1.18	1.14	1.10	1.08	1.09	1.09	1.05	0.95	0.82	0.70	0.61	0.56	
58	1.12	1.11	1.07	1.02	0.98	0.93	0.89	0.86	0.85	0.86	0.86	0.82	0.74	0.64	0.54	0.4B	0.43	
60	9.00	8.85	8.53	8.11	7.71	7.36	7.04	6.78	6.68	6.72	6.70	6.37	5.70	4.91	4.22	3.69	3.37	+21
62	7.19	7.05	6.76	6.40	6.06	5.78	5.52	5.31	5.24	5.27	5.23	4.93	4.38	3.77	3.25	2.86	2.62	
64	5.73	5.59	5.33	5.02	4.74	4.51 3.50	4.30	4.14	4.09	4.12	4.06 3.14	3.79 2.89	3.34 2.53	2.88 2.18	2.50 1.91	2.22 1,71	2.03	
66 68	4.54 3.57	4.41	3.26	3.91 3.03	3.6B 2.84	2.69	2.56	2.47	3.18 2.45	3.20 2.47	2.41	2.20	1.91	1.65	1.45	1.31	1.21	
70	2.79	2.69	2.51	2.32	2.16	2.04	1.95	1.88	1.87	1.88	1.83	1.66	1.43	1.24	1.10	1.00	0.92	
72	2.16	2.07	1.92	1.76	1.63	1.54	1.46	1.41	1.41	1.42	1.38	1.24	1.07	0.93	0.83	0.76	0.70	
74	1.65	1.57	1.45	1.31	1.21	1.14	1.09	1.05	1.05	1.06	1.02	0.92	0.80	0.70	0.63	0.57	0.52	
76	1.24	1.18	1.08	0.97	0.89	0.84	0.80	0.77	0.76	0.77	0.75	0.68	0.59	0.52	0.47	0.43	0.39	
78	9.24	8.77	7.95	7.08	6.44	6.06	5.77	5.55	5.50	5.55	5.44	4.97	4.36	3.86 2.82	3.51 2.58	3.20 2.37	2.93 2.18	+20
80	6.75	6.39	5.76	5.08	4.61	4.33	4.12	3.95	3.88	3.92	3.85	3.56	3.13	2.52	2.36	2.3/	2.10	

## ZONAL MEAN PRESSURE SCALE HT (KM)

KH LAT	= -80	-70 .	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	40	70	80 BEG
JANUAR	Y																
18	6.83	6.80	6.69	6.49	4.25	6.07	5.98	5.96	5.94	5.98	6.04	4.18	6.32	4.37	6.27	6.07	5.90
20 22	6.85 6.90	6.82 6.87	6.72	6.56	6.37	6.23	6.14	6.10	6.07	6.06	6.10	6.21	6.34	6.37	6.24	6.00	5.79
24	6.98	6.95	6.88	6.64	6.49	6.36 6.50	6.29	6.24	6.21 6.36	6.19	6.23	6.32	6.42	6.43	6.28 6.36	6.03	5.81 5.93
26	7.08	7.05	6.98	6.87	6.74	6.63	6.56	6.52	6.51	6.51	6.53	6.54	6.60	6.57	4.45	6.27	6.09
28	7.19	7.17	7.11	7.00	4.88	6.77	6.70	6.66	6.66	6.66	6.67	4.68	4.68	6.65	4.56	6.42	6.29
30	7.31	7.30	7.25	7.15	7.03	6.92	6.84	6.81	6.81	6.82	6.82	6.79	6.76	6.73	4.67	6.58	4.49
32 34	7 <b>.45</b> 7 <b>.5</b> 9	7.44 7.59	7.40 7.55	7.30 7.46	7.18 7.34	7.07 7.24	7.00 7.16	6.96 7.12	6.96 7.12	6.97	6.96	6.91 7.04	6.86	6.82	6.78	6.74	4.68
36	7.75	7.75	7.71	7.62	7.51	7.40	7.32	7.12	7.12	7.13 7.28	7.11 7.26	7.19	6.97 7.10	6.92 7.04	6.90 7.03	6. <b>86</b> 7.02	4. <b>65</b> 7.00
38	7.91	7.91	7.87	7.22	7.66	7.56	7.47	7.43	7.42	7.44	7.42	7.34	7.24	7.18	7.15	7.14	7.12
40	8.07	8.04	8.01	7.92	7.81	7.71	7.62	7.58	7.57	7.59	7.57	7.50	7.39	7.31	7.27	7.24	7.22
42	8.21	8.20	8.14	8.05	7.94	7.84	7.76	7.71	7.71	7.73	7.72	7.65	7.54	7.44	7.37	7.33	7.31
44	8.34 8.44	8.32 8.41	8.25 8.33	8.15 8.22	8.04 8.11	7.95 8.02	7.87 7.96	7.83 7.93	7.83 7.93	7.85	7.85	7.77	7.66	7.54	7.46	7.41 2.47	7.38 7.45
48	8.51	8,46	8.37	8.25	8.14	8.06	8.01	7.99	8.00	7.95 8.01	7.94 8.00	7.86 7.90	7.73 7.76	7.40 7.62	7.51 7.54	7.11	7.43 7.51
50	8.53	8.47	8.37	8.24	8.13	B.06	8.02	8.02	8.03	8.04	8.00	7.89	7.73	7.59	7.53	7.53	7.56
52	8.52	8.45	0.32	8.18	8.07	8.01	8.00	8.01	8.02	8.02	7.96	7.82	7.65	7.52	7.48	7.53	7.60
54	8.46	8.38	8,24	8.09	7.98	7.92	7.93	7.95	7.98	7,96	7.87	7.71	7.52	7.41	7.41	7.50	7.62
56	0.36	8.27	8.12	7.96	7.84	7.79	7.82	7.86	7.89	7.87	7.75	7.56	7.37	7.28	7.31	7.45	7.40
58 60	8.22 8.04	8.12	7.97	7.79	7.67	7.63	7.67	7.73	7.77	7.73	7.60	7.40	7.72	7.14	7.21	7.38	7.56
62	7.84	7.95 7.74	7.78 7.57	7.60 7.38	7.47 7.25	7.44 7.23	7.49 7.30	7.57 7.39	7.62 7.43	7.57 7.39	7.43 7.25	7.23 7.08	7.07 6.93	7.01 6.90	7.10 6.99	7.28 7.17	7.47 7.35
64	7.41	7.51	7.34	7.15	7.03	7.01	7.09	7.18	7.23	7.19	7.08	6.93	6.82	6.80	6.90	7.06	7.21
66	7.35	7.26	7.10	6.91	6.80	6.80	6.88	6.97	7.01	6.98	6.90	6.80	6.73	6.73	6.02	6.95	7.06
48	7.07	6.99	6.84	6.67	6.58	6.59	6.67	6.75	6.78	6.77	6.73	6.68	6.66	6.68	6.75	6.84	4.92
70	6.76	6.69	6.56	6.43	6.37	6.40	6.48	6.54	6.54	6.56	6.56	6.57	6.59	6.64	6.70	6.76	4.60
72 74	6.43	6.38 6.05	6.28	6.20	6.18	6.23	6.30	6.34	6.34	6.35	6.39	6.45	6.52	4.59	6.66	6.70	6.71
76	5.73	5.21	4.00 5.70	5.97 5.74	6.00 5.84	5.97	6.15	6.02	5.99	6.16	6.23 6.08	6.32 6.20	6.43 6.33	6.53 6.47	6.62 6.59	4.44 4.45	6.44 6.65
78	5.39	5.38	5.41	5.52	5.69	5.87	5.96	5.94	5.90	5.91	5.99	6.11	6.25	6.42	4.57	6.45	6.64
80	5.06	5.06	5.13	5.30	5.55	5.80	5.93	5.94	5.91	5.92	5.98	6.10	6.26	6.44	4.58	6.42	4.58
FEBRUA	R7																
18	6.74	6.71	6.61	6.46	6.28	6.11	6.00	5.94	5.92	5.94	4.01	6.15	6.31	4.41	4.39	6.28	6.17
20	6.74	6.70	6.62	6.50	6.35	6.22	6.12	6.05	6.01	6.00	6.05	6.17	6.32	6.41	4.37	6.21	4.05
22	6.77	6.74	6.60	6.57	6.45	6.34	6.26	6.20	6.16	6.15	4.18	6.27	6.38	6.44	4.39	6.25	6.09
24 26	6.83	6.81	6.76 6.86	6.66	6.56 6.68	6.47	6.41	6.36 6.52	6.33	6.32 6.51	6.35 6.53	6.40	6.45	6.47	6.43 6.48	6.33	6.21 6.36
28	6.99	7.01	6.97	6.89	6.81	6.76	6.72	6.68	6.67	6.69	6.70	6.67	6.61	6.56	6.54	6.52	6.49
30	7.11	7.13	7.09	7.02	6.95	6.91	6.87	6.84	6.84	6.86	6.86	4.80	4.71	6.63	6.61	6.61	4.40
32	7.23	7.25	7.23	7.16	7.10	7.06	7.03	7.01	7.00	7.03	7.03	6.94	6.82	6.73	6.69	4.69	4.48
34	7.37	7.39	7.37	2.31	7.26	7.22	7.20	7.17	7.1B	7.20	7.19	7.10	6.96	6.84	6.79	6.77	6.75
36	7.52	7.54	7.52	7.47	7.42	7.38	7.36	7.35	7.35	7.37	7.35	7.26 7.42	7.11 7.28	6.98	6.90 7.02	4.65 4.73	6.81 6.88
38 40	7.67 7.82	7.68 7.83	7.67 7.82	7.63 7.78	7.58 2.73	7.54 7.69	7. <b>52</b> 7.67	7.52 7.69	7. <b>54</b> 7.71	7.55 7.72	7.52 7.69	7.59	7.45	7 <b>.13</b> 7 <b>.29</b>	7.14	7.03	6.76
42	7.95	7.95	7.95	7.91	7.86	7.81	7.81	7.84	7.88	7.89	7.84	7.74	7.60	7.43	7.26	7.13	7.05
44	8.07	8.06	8.05	8.02	7.96	7.91	7.92	7.97	8.02	8.02	7.97	7.87	7.72	7.54	7.37	7.24	7.18
46	8.16	8.15	8.13	8.09	8.03	7.98	7.99	B.05	8.12	8.12	8.06	7.75	7.80	7.62	7.46	7.35	7.32
48	8.21	0.20	0.17	8.12	8.06	8.01	8.02	8.10	8.14	8.17	8.09	7.97	7.82	7.45	7.52	7.46	7.47
50 52	8.24	8.21	8.17 8.12	8.11 8.04	8.04 7.97	7 <b>.99</b> 7.94	8.01 7.96	8.09 8.03	8.16 8.09	8.16 8.09	8.08 8.00	7.94	7.78	7.43 7.57	7.55 7.54	7.56 7.63	7.62 7.76
52 54	8.23 8.18	8.18 8.12	8.03	7.93	7.86	7,84	7.87	7.94	7.78	7.97	7.88	7.73	7.54	7.46	7.50	7.66	7.86
56	8.10	8.02	2.90	7.78	7.71	7.71	7.75	7.80	7.83	7.82	7.73	7.57	7.41	7.34	7.43	7.66	2.91
58	7.98	7.89	7.74	7.60	7.54	7.56	7.61	7.65	7.66	7.64	7.55	7.40	7.25	7.21	7.34	7.41	7.89
60	7.84	2.73	2.56	7.41	7.35	7.38	7.45	7.48	7.48	7.44	7.36	7.22	2.10	7.09	7.24	7.53	7.82
62	7.66	7.54	7.36	7.20	7.15	7.20	7.27	7.30	7.28	7.25	7.17	7.06	6.96	4.97	7.14	7.42	7.48
64	7.45	7.33	7.15	7.00	6.95 6.75	7.01 6,82	7.09 6.90	7,12 6.93	7.09 6.90	7.05 6.87	7.00 6.84	6.92 6.29	6.85 6.76	6.80 6.80	7.04 6.94	7.28 7.14	7.50 7.31
66 68	7.22 6.95	7.10 6.85	6.93 6.70	6.79 6.50	6.56	6.64	6.72	6.74	6.72	6.69	6.69	6.48	6.48	6.74	4.86	7.00	7.11
70	6.66	6.59	6.47	6.39	6.39	6.46	6.53	6.54	4.52	6.52	6.54	6.57	6.61	6.60	6.79	6.88	4.74
72	6.36	6.31	6.23	6.19	6.22	6.29	6.35	6.34	6.33	4.35	6.40	6.46	4.53	6.62	6.72	4.76	4.80
74	6.05	6.02	5.99	6.00	6.07	6.14	6.17	6.15	6.14	4.19	6.26	6.34	6.43	6.54	4.46	4.71	6.70
76	5.75	5.74	5.75	5.82	5.92	6.01	6.02	5.98	5.98	6.04	4.13	6.22	6.32	6.46	6.60	4.44	6.43 6.50
78	5.49	5.48	5.52	5.64	5.80	5.91	5.92 5.89	5.87 5.88	5.87 5.89	5.94 5.94	6.03	6.11	6.22	6.38	4.55 4.53	6.42	6.49
80	5.28	5.26	5.32	5.48	5.69	5.85	3.87	3.00	3.87	3.74	0.00	B.V/	9.17	0.37		4.74	V. 77

#### ZONAL MEAN PRESSURE SCALE HT (KM)

KN LAT	= -80	-70	-60	-50	-40	-30	-20	-10	٥	10	20	30	40	50	60	70	80 DE6
MARCH																	
18	6.58	6.58	6.54	6.44	6.30	6.16	6.04	5.97	5.94	5.98	6.07	6.19	6.31	6.41	6.45	6.46	6.46
20 22	6.54 6.52	6.54	6.52	6.45	6.34	6.23	6.14	6.08	6.05	6.07	6.13	6.23	6.33	6.40	6.42	6.41	6.39
24	6.54	6.55 6.57	6.54 6.58	6.49 6.54	6.41	6.34	6.29	6.24	6.21 6.38	6.22	6.26	6.32	6.37	6.40	6.41	6.42 6.46	6.43 6.50
26	6.56	6-61	6.63	6.62	6.60	6.59	6.59	6.57	6.55	6.56	6.58	6.56	6.51	6.46	6.45	4.49	6.55
28	6.61	6.66	6.70	6.70	6.70	6.72	6.73	6.73	6.72	6.73	6.73	6.69	6.61	6.52	6.50	6.54	6.60
30	6.67	6.73	6.78	6.80	6.82	6.85	6.88	6.88	6.88	6.89	6.88	6.83	6.72	6.62	6.57	6.59	6.63
32 34	6.75 6.85	6.82	6.88 7.00	6.93 7.07	6.96 7.11	6.99 7.14	7.02 7.18	7.04 7.21	7.05 7.22	7.05 7.22	7.03 7.19	6.97	6.87 7.03	6.75	6.68	6.66	6.68
36	6.97	7.05	7.15	7.22	7.11	7.30	7.34	7.38	7.41	7.40	7.36	7.13 7.29	7.03	7.09	6.97	6.76 6.88	6.73 6.82
38	7.11	7.19	7.30	7.39	7.43	7.46	7.50	7.56	7.60	7.58	7.53	7.46	7.39	7.29	7.15	7.02	6.93
40	7.26	7.34	7.46	7.55	7.60	7.61	7.66	7.74	7.7 <del>9</del>	7.76	7.69	7.63	7.57	7.48	7.33	2.18	7.07
42 44	7.40	7.49	7.61	7.71	7.75	7.76	7.81	7.90	7.95	7.93	7.85	7.78	7.73	7.64	7.50	7.34	7.23
46	7.54 7.65	7.62 7.73	7.74 7.83	7.84 7.92	7.87 7.95	7.97 7.95	7.92 8.00	8.02	8.09 8.17	8.06 8.14	7.97 8.05	7.90 7.97	7.05	7.78 7.86	7.45 7.25	7.50 7.63	7.40 7.55
48	7.74	7.79	7.88	7.96	7.99	7.99	8.03	8.13	8.20	8.17	8.08	8.00	7.95	7.88	7.79	7.71	7.66
50	7.78	7.81	7.88	7.95	7.97	7.97	8.01	8.10	8.16	8.14	8.05	7.97	7.91	7.85	7.79	2,74	7.73
52	7.79	7.79	7.82	7.87	7.90	7.91	7.95	8.02	8.07	8.05	7.97	7.89	7.82	7.77	7.73	7.72	7.75
54	7.76	7.73	7.72	7.75	7.78	7.81	7.85	7.90	7.93	7.91	7.84	7.77	7.70	7.64	7.62	7.65	7.70
56 58	7.69 7.60	7.63 7.51	7. <b>59</b> 7 <b>.43</b>	7.59 7.41	7.63 7.45	7.67 7.52	7.71 7.57	7.75 7.58	7.76 7.57	7.74 7.55	7.69 7.52	7.62 7.46	7.55 7.39	7.50 7.34	7.49 7.34	7.53 7.39	7.60 7.46
60	7.48	7.37	7.27	7.22	7.27	7.35	7.41	7.41	7.38	7.36	7.35	7.30	7.24	7.20	7.20	7.25	7.30
62	7.34	7.23	7,10	7.03	7.08	7.18	7.26	7.24	7.20	7.18	7.18	7.15	7,10	7.06	7.07	7.10	7.13
64	7.18	7.08	6.94	6.85	6.90	7.02	7.10	7.08	7.02	7.00	7.02	7.02	6.97	6.94	6.95	6.97	6.97
66	7.02	6.93	6.78	6.69	6.72	6.85	6.94	6.91	6.85	6.84	6.88	6.89	6.86	6.B4	6.86	6.86	6.82
68	6.85	6.78	6.64	6.54	6.57	6.69	6.78	6.74	6.68	6.68	6.74	6.77	6.76	6.76	6.78	6.76	6.70
70 72	6.67 6.49	6.62	6.50 6.37	6.40 6.28	6.42 6.28	6.53 6.36	6.60	6.56 6.37	6.51 6.33	6.52 6.36	6.60	6.65 6.51	6.66	6.68	6.70 6.63	4.68 4.60	6.60 6.51
74	6.31	6.29	6.23	6.16	6.16	6.20	6.22	6.17	6.15	6.20	6.30	6.37	6.42	6.49	6.55	4.52	6.42
76	6.15	6.14	6.10	6.05	6.04	6.05	6.04	6.00	6.00	6.06	6.15	6.22	6.29	6.38	6.45	6.43	6.34
78	6.02	6.01	5.99	5.96	5.95	5.94	5.91	5.89	5.91	5.97	6.04	6.09	6.16	6.26	6.35	4.35	6.26
80	5.98	5.96	5.93	5.91	5.90	5.91	5.92	5.93	5.97	6.02	6.03	6.03	6.07	4.17	6.28	4.29	6.21
APRIL																	
18	6.26	6.39	6.47	6.43	6.32	6.20	6.09	6.00	5.96	5.99	6.07	6.19	6.32	6.43	6.53	6.60	6.63
20	6.13	6.30	6.42	6.43	6.35	6.25	6.17	6.11	6.08	6.11	6.18	6.27	6.35	6.43	6.49	4.55	6.58
22	6.06	6.24	6.39	6.43	6.41	6.36	6.31	4.26	6.24	6.27	6.33	6.38	6.41	6.44	6.49	6.54	6.58
24 26	6.04	6.20	6.36	6.44	6.47	6.48	6.47	6.43	6.41	6.44	6.48	6.50	6.48	6.47	6.50	6.55 6.57	6.59 6.59
28	6.10	6.21	6.35	6.48	6.61	6.71	6.76	6.76	6.76	6.77	6.77	6.74	6.68	6.63	6.61	6.61	6.61
30	6.18	6.26	6.38	6.54	6.69	6.81	6.88	6.92	6.93	6.92	6.91	6.87	6.82	6.76	6.71	6.67	6.64
32	6.29	6.34	6.46	6.62	6.79	6.92	7.01	7.07	7.10	7.08	7.05	7.02	6.98	6.92	6.84	6.76	6.70
34	6.42	6.46	6.56	6.73	6.90	7.04	7.15	7.23	7.27	7.25	7.20	7.17	7.16	7.11	7.00	6.08	6.79
36	6.57 6.75	6.60	6.70 6.87	6.87 7.04	7.05 7.20	7.18 7.33	7.29 7.45	7.40 7.56	7.45 7.62	7.42 7.59	7.36 7.53	7.34 7.51	7.35 7.54	7.31 7.51	7.19 7.38	7.04 7.22	6.93 7.09
38 40	6.93	6.94	7.04	7.21	7.20	7.49	7.43	7.72	7.79	7.76	7.69	7.68	7.72	7.70	7.58	7.41	7.29
42	7.12	7.13	7.22	7.38	7.53	7.64	7.75	7.87	7.94	7.90	7.84	7.83	7.88	7.87	7.76	7.60	7.48
44	7.29	7.30	7.38	7.53	7.67	7.78	7.88	7.99	8.05	B.02	7.95	7.95	8.00	8.00	7.91	7.77	7.67
46	7.45	7.44	7.51	7.65	7.78	7.88	7.97	8.07	8.12	8.09	8.03	8.02	8.07	0.00	B.01	7.90	7.82
48	7.59	7.55	7.60	7.72	7.84	7.94	8.02	B.09	8.13	8.10	8.05	8.05	8.09 8.05	8.10 8.07	8.05 8.04	7.97 7.98	7.91 7.94
50 52	7.68 7.73	7.62 7.64	7.63 7.62	7.73 7.69	7.85 7.80	7.94 7.89	8.01 7.95	8.07 7.99	8.10 8.00	8.07 7.98	8.02 7.94	8.02 7.94	7.97	7.99	7.97	7.93	7.91
54	7.74	7.62	7.56	7.60	7.20	7.79	7.84	7.87	7.87	7.84	7.82	7.83	7.85	7.87	7.85	7.83	7.82
56	7.71	7.56	7.47	7.48	7.57	7.66	7.70	7.71	7.70	7.68	7.67	7.68	7.21	7.72	7.71	7.69	7.68
58	7.64	7.48	7.35	7.34	7.41	7.50	7.54	7.53	7.51	7.49	7.51	7.53	7.55	7.56	7.55	7.54	7.53
60	7.55	2.38	7.24	7.19	7.25	7.33	7.36	2.34	7.30	7.30	7.34	7.38	7.39	7.39	7.39	7.38	7.37
62	2,44	7.28	7.12	7.05	7.08	7.16	7,19	7.15	7.10	7.12 6.94	7.1B 7.03	7.23 7.08	7.23 7.08	7.23	7.23 7.09	7.23 7.10	7.22 7.08
64 66	7.32 7.19	7.18 7.08	7.01 4.92	6.91 6.79	6.92 6.78	7.00 6.84	7.02 6.85	6.96 6.77	6.90	6.76	6.88	6.94	6.93	6.92	6.96	6.98	6.96
68	7.17	6.99	6.83	6.68	6.65	6.69	6.69	6.60	6.54	6.40	6.73	6.80	6.79	6.78	6.83	6.86	6.84
70	6.96	6.90	6.74	6.58	6.52	6.54	6.52	5.43	6.37	6.43	6.57	6.64	6.64	6.64	6.70	6.74	6.72
72	6.86	6.81	6.65	6.48	6.40	6.39	6.35	4.26	6.21	6.28	6.40	6.47	6.48	6.50	6.56	6.60	6.58
74	6.77	6.72	6.56	6.38	6.27	6.23	6.19	6.11	6.08	6.13	6.23	6.30	6.32	6.35	6.41	6.43	6.40
76	6.71	6.64	6.48	6.30	6.16	6.09	6.04	6.00	5.98	6.01	6.07	6.12	6.15	6.19	6.23	6.24 6.	6.20 6.00
70 80	6.69	6.59	6.42	6.24	6.08 6.08	5.99 5.99	5.95 5.99	5.94	5.95 6.05	5.96 6.05	5.97 6.00	5.98 5.93	6.00 5.00	5.88	5.89	o. 5.88	5.84
60	6.72	6.62	8.43	0.24	0.V8	3.77	3.77	0.02	8.03	6.43	0.00	3.73	J. 00	3.00	2.07	3.00	J.01

ZONAL MEAN PRESSURE SCALE HT (KM)

KM LA1	r = -80	-20	-60	-50	-40	-30	- 20	-10	ŋ	10	26	30	40	50	60	70	80 DE6
MAY		•															
18	5.87	6.08	6.30	A.40	6.35	6.22	6.09	6.01	5.99	6.00	6.06	6.17	6.32	6.45	6.56	6.63	6.68
20	5.63	5.91	6.21	6.38	6.38	6.28	6.18	6.13	6.12	6.14	6.20	6.29	6.39	6.48	6.54	6.60	6.64
22	5.56	5.82	6.13	5.35	6.42	6.38	6.32	6.28	6.28	6.31	6.36	6.42	6.47	4.52	6.55	6.60	6.64
24 26	5.40 5.70	5.80 5.83	6.07	6.31 6.28	6.45 6.48	6.49 6.58	6.46	6.44	6.45	6.48	6.51	6.54	6.56	4.58	6.60	6.63	6.68
28	5.84	5.90	6.05	6.27	6.51	6.67	6.61 6.75	6.61	6.62 6.78	6.44	6.65 6.79	6.66 6.78	6.66	6.66	6.67	6.70 6.79	6.74 6.82
30	6.01	6.01	6.09	6.30	6.55	6.76	6.88	6.93	6.94	6.94	6.92	6.91	6.90	6.90	6.90	4.91	4.92
32	6.19	6.14	6.18	6.36	6.61	6.85	2.01	7.08	7.10	7.08	7.06	7.04	7.05	7.06	7.06	7.05	7.05
34	6.39	6.30	6.30	6.45	6.71	6.96	7.14	7.23	7.25	7.23	7.20	7.19	7.22	7.24	7.23	7.22	7.20
36	6.60	6.49	6.46	6.59	6.83	7.09	7.28	7.38	7.40	7.70	7.35	7.34	7.39	7.43	7.43	7.40	7.37
38 40	6.80	6.68	6.64	6.75	6.97	7.23	7.43	7.53	7.55	7.5.	2.51	7.53	7.58	7.62	7.62	7.59	7.55
42	7.00 7.19	6.89 7.09	6.84 7.04	6.92 7.11	7.13 7.29	7.38 7.52	7 <b>.57</b> 7.71	7.67 7.79	7.69 7.81	7.67 7.80	7.66 7.80	7.70 7.85	7.76 7.91	7.80 7.97	7.81 7.98	7.78 7.95	7.73 7.91
44	7.37	7.27	7.22	7.28	17.44	7.65	7.82	7.90	7.91	7.90	7.92	7.97	8.04	8.09	8.11	8.10	8.07
46	7.52	7,44	7.39	7.43	7.56	7.75	7.91	7.97	7.97	7.97	7.99	8.05	8.12	8.18	8.21	8.21	8.19
48	7.64	7.57	7.52	7.53	7.64	7.81	7.96	8.01	8.00	7.99	B.02	8.08	8.15	8.20	8.25	8.27	8.27
50	7.72	7.67	7.61	7.59	7.67	7.82	7.96	8.01	7.99	7.98	8.00	8.06	8.12	8.18	8.23	8.28	8.30
52	7.76	7.72	7.65	7.60	7.65	7.78	7.91	7.96	7.93	7.91	7.94	7.99	8.05	8.10	8.17	8.23	0.28
54	7.76	7.73	7.65	7.57	7.58	7.69	2.81	7.86	7.83	7.80	7.83	7.88	7.93	7.98	8.06	8.14	0.20
56 58	7.72 7.64	7.70 7.64	7.61 7.55	7.51 7.42	7.48 7.37	7.57	7.68	7.71 7.54	7.68 7.51	7.66	7.69	7.73	7.77	7.83	7.91	8.01	8.08 7.92
60	7.54	7.55	7.47	7.33	7.25	7.43 7.27	7.51 2.33	7.33	7.30	7.50 7.31	7.53 7.36	7.57 7.40	7.60 7.42	7.65 7.46	7.74 7.56	7.85 7.67	7.72 7.75
62	7.42	7.45	7.38	7.23	7.13	7.11	7.13	7.11	7.09	7.12	7.18	7.22	7.23	7.27	7.37	7.48	7.55
64	7.30	7.34	7,28	7.13	7.01	6.96	6.93	6.88	6.86	6.92	7.01	7.05	7.04	7.07	7.17	7.28	7.35
66	7.18	7.23	7.18	7.04	6.90	6.81	6.73	6.65	6.64	6.73	6.83	6.87	6.85	6.88	4.98	7.09	7.14
68	7.07	7.12	7.08	6.94	6.79	6.66	6.53	6.43	6.43	6.54	6.66	6.69	6.66	6.68	6.78	6.88	6.92
70	6.98	7.02	6.97	6.83	6.67	6.51	6.35	6.24	6.24	6.36	6.47	6.50	6.46	6.48	6.58	6.67	4.49
72	6.92	6.93	6.86	6.71	6.54	6.35	6.18	6.06	6.07	6.18	6.29	6.30	6.26	6.28	6.37	6.44	6.44
74 76	6.88 6.87	6.85	6.75 6.65	6.58	6.39 6.25	6.20 6.06	6.03 5.91	5.93 5.85	5.94 5.87	6.04 5.93	6.11 5.95	6.09 5.91	6.06 5.86	6.08 5.87	6.15 5.90	6.19 5.92	6.18 5.69
78	6.87	6.75	6.58	6.37	6.16	5.97	5.86	5.83	5.86	5.89	5.85	5.76	5.69	5.66	5.45	5.62	5.58
80	6.87	6.75	4.59	6.40	6.19	6.00	5.91	5.92	5.97	5.97	5.87	5.71	5.57	5.47	5.38	5.31	5.26
JUNE																	
18	5.56	5.80	6.10	6.34	6.39	6.28	6.14	6.05	6.03	6.03	6.07	6.16	6.31	6.48	6.62	6.72	6.77
20	5.24	5.55	5.96	6.30	6.42	6.34	6.23	6.17	6.17	6.20	6.25	6.32	6.43	6.54	6.64	6.71	6.77
22	5.17	5.46	5.86	6.24	6.44	6.43	6.35	6.31	6.33	6.37	6.41	6.46	6.53	6.60	6.67	6.74	4.80
24 26	5.25 5.43	5.47	5.82 5.82	6.19	6.45	6.52 6.58	6.48	6.46	6.48 6.63	6.52 6.66	6.55 6.68	6.58 6.70	6.63	6.6B 6.77	6.73	6.87	4.84 4.91
28	5.65	5.71	5.87	6.13	6.42	6.43	4.73	6.76	6.77	6.78	6.80	6.81	6.83	6.87	6.92	6.97	7.01
30	5.91	5.90	5.97	6.16	6.43	6.69	6.85	6.90	6.90	6.90	6.91	6.93	6,95	7.00	7.06	7.11	7.12
32	6.18	6.12	6.12	6.22	6.46	6.76	6.97	7.05	7.04	7,02	7.03	7.05	7.08	7.14	7.22	7.26	7.26
34	6.45	6.36	6.29	6.33	6.54	6.84	7.10	7.19	7.17	7.15	7.16	7.19	7.23	7.30	7.39	7.43	7.41
36	6.71	6.60	6.49	6.48	6.65	6.96	7.23	7.33	7.30	7.28	7.30	7.34	7.39	7.47	7.57	7.41	7.58
38	6.95	6.84	6.70	6.66	6.B0	7.10	7.38	7.47	7.44	7.41	7.44	7.49	7.55	7.65	7.75	7.79	7.76
40 42	7.17	7.07	6.93	6.86	6.98 7.17	7.26 7.42	7.52	7.61 7.73	7.57 7.69	7.55	7.59 7.72	7.65 7.79	7.71 7.86	7.81 7.96	7.92 8.07	7.97 8.13	7.94 8.10
44	7.36 7.53	7.27 7.46	7.14 7.34	7.07 7.27	7.35	7.57	7.65 7.77	7.83	7.79	7.67 7.78	7.84	7.91	7.98	8.08	8.19	8.26	8.25
46	7.67	7.41	7.51	7.44	7.51	7.70	7.86	7.90	7.87	7.87	7.92	7.99	8.06	8.14	8.28	8.35	8.34
48	7.78	7.74	7.64	7.57	7.62	7.78	7.92	7.95	7.91	7.91	7.97	8.04	8.11	8.20	8.32	8.41	8.44
50	7.86	7.83	7.74	7.65	7.68	7.80	7.92	7.95	7.92	7.92	7.97	8.04	8.10	8.19	8.32	8.42	8.47
52	7.91	7.88	7.79	7.68	7.68	7.78	7.88	7.91	7.88	7.87	7.92	7.98	8.04	8.14	8.27	8.39	8.45
54	7.91	7.90	7.80	7.67	7.62	7.70	7.79	7.82	7.79	7.79	7.83	7.88	7.94	8.04	8.18	8.31	8.39
56	7.87	7.87	7.77	7.62	7.54	7.58	7.66	7.68	7.66	7.65	7.69	7.74	7.80	7.90	8.05	8.20	8.28
58	7.79	7.81	7.71	7.54	7.43	7.44	7.49	7.51 7.31	7.49	7.49	7.52 7.33	7.56 7.37	7.62 7.43	7.73 7.54	7.89 7.70	8.04 7.86	8.13 7.95
60 62	7.68 7.54	7.71 7.58	7.62 7.52	7.45 7.35	7.31 7.19	7.28 7.12	7.31 7.10	7.09	7.30 7.08	7.30 7.09	7.12	7.16	7.21	7.33	7.49	7.65	7.74
64	7.39	7.43	7.39	7.25	7.08	6.96	6.89	6.86	6.86	6.88	6.91	6.94	6.99	7.10	7.26	7.42	7.51
66	7.23	7.27	7.25	7.14	6.97	6.81	6.68	6.62	6.63	6.67	4.70	6.72	6.76	6.86	7.02	7.16	7.25
88	7.08	7.11	7.11	7.02	6.85	6.65	6.48	6.40	6.41	6.47	6.51	6.51	6.53	6.62	6.76	6.89	6.97
70	6.95	6.97	6.96	6.88	6.71	6.48	6.29	6.19	6.21	6.28	6.32	4.30	6.30	6.36	6.49	6.61	6.67
72	6.85	6.84	6.81	6.73	6.55	6.31	6.10	6.01	6.04	6.11	6.15	6.11	6.08	6.11	6.21	6.30	6.36
74	6.77	6.74	6.67	6.55	6.36	6.14	5.95	5.84	5.90	5.97	5.99	5.93 5.22	5.86 5.66	5.05 5.60	5.91 5.62	5.99 5.66	6.03 5.68
76 78	6.73	6.67	6.55	6.39	6.19 6.07	5, <i>98</i> 5,88	5.82 5.76	5.76 5.73	5.80 5.78	5.87 5.82	5.87 5.79	5.45	5.48	5.37	5.32	5.32	5.33
80	6.70 6.65	6.61	6.47	6.27	6.12	5.93	5.81	5.79	5.85	5.86	5.77	5.58	5.35	5.16	5.03	4.98	4.98
34	0.03	0.00	0,73	0.34	0.72	5.75	0.07	• • • •	4.00	0.00	• • • •						

ZONAL MEAN PRESSURE SCALE HT (KM)

KM LAT =	-80	-20	- 60	-50	- 40	- 30	-20	-10	0	10	20	30	40	50	60	70	80 DE6
JULY		-															
	5.25	5.53	5.93	6.27	6.39	6.29	6.14	6.06	6.05	6.06	6.09	6.17	6.31	6.48	6.63	6.23	6.79
	4.92	5.26	5.76	6.22	6.41	6.34	6.21	6.15	6.18	6.22	6.26	6.32	6.42	6.54	6.64	6.72	6.78
	4.96 5.20	5.25	5.71 5.73	6.18 6.16	6.45	6.45 6.55	6.34	6.29	6.32	6.38	6.41	6.46	6.53	6.61	6.68	6.75	6.82
	5.53	5.61	5.83	6.17	6.49	6.63	6.62	6.59	6.47	6.51	6.54 6.65	6.57 6.67	6.63	6.69	6.74	6.81 6.89	6.87 6.94
	5.89	5.88	5.98	6.22	6.50	6.68	6.73	6.73	6.72	6.74	6.75	6.77	6.82	6.88	6.94	6.99	7.03
	6.23	6.15	6.17	6.30	6.52	6.73	6.84	6.85	6.84	6.84	6.85	6.88	6.92	6.99	7.07	7.12	7.13
	6.54	6.45	6.38	6.42	6.58	6.79	6.94	6.98	6.96	6.95	6.96	6.99	7.04	7.13	7.22	7.26	7.25
	6.79 2.00	6.71	6.61	6.57	6.67	6.87	7.05 7.17	7.11 7.24	7.08 7.21	7.06 7.19	7.08 7.21	7.11 7.25	7.17 7.32	7.27	7.37	7.42	7.39
	2.18	2.12	2.07	6.95	6.76	7.12	7.31	7.30	7.35	7.32	7.35	7.23	7.46	7.42 7.58	7.54	7.58 2.25	2.55 2.21
	2,34	2.36	7.27	2.15	7.14	7.29	2.46	2.53	7.49	2,47	7.49	7.54	7.61	7.73	7.86	2.91	7.88
	2.49	7.52	7.45	7.34	7.33	7.46	7.61	7.67	7.63	7.60	7.63	7.68	7.75	7.87	8.00	8.06	8.04
	7.64	7.66	2.60	7.51	2.51	7.62	7.75	7.79	7.75	7.73	7.75	7.80	7.87	7.98	8.11	8.18	8.18
	7,79 2,92	7.79 7.88	7.72 7.80	7.64	7.65 7.73	7.75 7.83	7.86 7.93	2.89	2.85 2.91	7.82 7.88	7.84 7.90	7.89 7.94	7.96 8.01	8.07 8.11	8.19 8.24	8.28	8.30 8.38
	B.03	2.96	7.84	7.75	7.75	2.85	7.94	7.96	7.92	7.90	7.92	7.95	8.01	8.11	8.24	8.36	8.42
52 8	9.09	8.00	2.85	7.72	7.71	7.80	7.89	7.92	7.89	7.87	7.88	7.91	7.96	8.06	8.20	8.34	8.42
	3.10	8.00	7.82	7.66	7.61	7.69	7.79	7.83	7.81	7.79	7.80	7.81	7.86	7.96	8.12	8.28	8.37
	8.05	7.95	7.76	7.56	7.48	7.54	7.64	7.70	7.69	7.67	7.67	7.67	7.71	7.83	8.01	8.18	8.27
	7.95 7.80	7.86 2.73	7.67 7.55	7.44 7.32	7.33 7.18	7.36 7.18	7.46 7.26	7.53	7.54	7.52 7.34	7.51 7.32	7.50 7.30	7.54	7.66	7.85 7.67	8.04 7.86	8.14 7.97
	2.61	7.73	2.41	7.19	7.03	7.18	7.26	7.33 7.13	7-36 7-16	7.15	7.12	7.09	7.33	7.25	7.46	7.66	7.77
	7.41	2.38	7.26	7.0	6.91	6.84	6.86	6.91	6.95	6.95	6.91	6.87	6.89	7.02	7.23	7.43	7.54
66 7	7.22	7.19	7.10	6.95	6.79	6.70	6.67	6.70	6.74	6.75	6.71	6.66	6.67	6.78	6.97	7.16	7.28
	2.03	7.01	6.94	6.83	6.69	6.56	6.50	6.50	6.53	6.55	6.52	6.46	6.45	6.54	6.70	6.88	7.00
	5.87	0.85	6.80	6.71	6.57	6.43	6.33	6.30	6.33	6.36	6.34	6.28	6.25	6.30	6.42	6.57	6.68
	6.74 6.62	6.61	6.66	6.58	6.44 6.30	6.29	6.17	6.12 5.96	6.14 5.97	6.18	6.17	6.11 5.97	6.05 5.87	6.05 5.81	6.12 5.82	6.24 5.90	6.34 5.98
	6.54	6.53	6.46	6.32	6.15	6.00	5.89	5.83	5.83	5.89	5.92	5.85	5.71	5.57	5.52	5.56	5.62
	6.47	6.47	6.40	6.23	6.04	5.90	5.80	5.75	5.75	5.81	5.84	5.75	5.56	5.35	5.23	5.22	5.27
80 6	6.43	6.40	6.34	6.23	6.07	5.91	5.79	5.75	5.78	5.82	5.81	5.68	5.43	5.14	4.95	4.90	4.95
AUGUS 1																	
	5.00	5.41	5.93	6.32	6.42	6.29	6.13	6.04	6.03	6.06	6.12	6.21	6.34	6.47	6.59	6.68	6.72
	1.64	5.13	5.79	6.30	6.45	6.34	6.18	6.12	6.13	6.18	6.25	6.33	6.42	6.51	6.59	6.66	6.71
	1.79 5.17	5.21	5.80	6.31	6.51	6.45	6.32	6.26	6.28	6.34	6.38	6.44	6.50	6.57	6.63	6.68	6.72 6.75
	5.67	5.82	5.91	6.34	6.56 6.60	6.56 6.65	6.47	6.42	6.44	6.48	6.51 6.62	6.54	6.59 6.68	6.65	6.69	6.72	6.75
	. 18	6.20	6.30	6.47	6.64	6.72	6.73	6.71	6.71	6.72	6.73	6.74	6.77	6.82	6.86	6.88	6.88
	5.62	6.56	6.54	6.58	6.68	6.78	6.84	6.84	6.83	6.83	6.83	6.84	6.87	6.92	6.98	6.99	6.98
	5.96	6.98	6.77	6.71	6.75	6.85	6.95	6.97	6.95	6.94	6.94	6.95	6.98	7.04	7.10	7.12	7.09
	7.19	2,14	2.00	6.86	4.84	6.94	7.07	7.11	7.09	7.06	7.06	7.07	7.10	7.17	7.24	7.26	7.22
	7.35 7.46	2.35 2.51	7.22 7.40	7.03 7.20	6.96 7.10	7.05 7.19	7.20 7.35	7.26 7.42	7.23 7.39	7.20 7.35	7.20 7.34	7.21 7.36	7.24 7.39	7.31 7.46	7.39 7.54	7.41 7.57	7.37 7.52
	2.57	7.64	7.56	7.36	7.26	7.34	7.51	7.59	7.56	7.51	7.49	7.50	7.54	7.61	7.69	7.71	7.67
	'. '0	7.76	7.68	7.51	7.42	7.50	7.67	7.75	7.72	7.66	7.64	7.64	7.68	7.75	7.82	7.85	7.81
	7.84	7.86	7.77	7.61	7.55	7.65	7.81	7.89	7.86	7.80	7.76	7.76	7.79	7.86	7.93	7.96	7.93
	7.98	7,94	7.82	7.68	7.65	7.76	7.92	8.00	7.97	7.90	7.86	7.84	7.87	7.94	8.01	8.05	8.03
	3.11 3.20	8.00 8.02	7.83 7.81	7. <b>70</b> 7.67	7.70 7.68	7.82 7.82	7.98 7.97	8.05 8.05	8.02 8.02	7.96 7.96	7 <b>.9</b> 1 7 <b>.9</b> 1	7.89 7.89	7.91 7.90	7.98 7.97	8.05 8.05	8.10	8.10 8.13
	3.20	8.00	7.75	7.60	7.61	7.75	7.91	7.98	7.96	7.91	7.87	7.84	7.85	7.91	8.01	8 09	8.13
	3.18	7,94	7.67	7.50	7.50	7.64	7.79	7.86	7.85	7.82	7.79	7.75	2.75	7.81	7.92	8.04	8.10
	3.06	7.83	7.56	7.37	7.36	7.48	7.63	7.70	7.71	7.69	7.67	7.63	7.61	7.67	7.81	7.95	8.04
	.88	7.68	7.43	7.24	7.20	7.31	2.44	7.52	7.54	7.54	7.53	7.48	7.45	7.51	7.66	2.83	7.94
	7.67	7.51	7.28	7.10	7.05	7.13	7.25	7.32	7.36	7.38	7.37	7.32	7.28	7.34	7.50	7.69	7.82
	7.45	7.33 7.15	7.14 7.00	6.98	6.92	6.98	7.06 6.89	7.13 6.94	7.18 7.00	7.22 7.05	7.21 7.05	7.15 6.98	7.10 6.91	7.15 6.96	7.32 7.12	7.52 7.32	7.66 7.47
	7.23 7.07	6.98	5.86	6.87	6.81 6.72	6.71	6.73	6.76	6.82	6.88	4.88	6.81	6.73	6.76	6.91	7.10	7.25
	. 91	6.84	6.75	6.68	6.64	6.61	6.58	6.59	6.64	6.71	6.71	6.64	6.56	6.57	6.69	6.85	6.99
	. 78	6.72	6.65	6.60	6.56	6.50	6.44	6.42	6.46	6.52	6.54	6.47	6.39	6.37	6.45	6.58	6.70
?2 b	.66	6.62	6.58	6.53	6.47	6.39	6.30	6.25	6.26	6.32	6.36	6.31	6.22	6.16	6.19	6.29	6.39
	.54	6.55	6.52	6.45	6.36	6.26	6.16	4.08	6.07	6.12	6.18	6.15	6.05	5.95 5.75	5.93	5.99	6.07 5.75
	143	6.49	6.48	6.37	6.23	6.12	6.02 5.91	5.93 5.82	5.89 5.78	5.94 5.83	6.02 5.91	6.01 5.90	5.89 5.75	5.75	5.44	5.43	5.48
	.35	6.45	6.43	6.29 6.25	6.13	5.98	5.88	5.83	5.82	5.86	5.90	5.85	5.66	5.42	5.25	5.21	5.27
0																	

ZONAL MEAN FRESSURE SCALE HT (KM)

KM LAT	= -80	-70	-60	-50	~40	- 30	- 10	- 10	0	10	20	30	40	50	60	70	80 DE6
SEPTEM	BER																
18	5.12	5.67	6.22	6.49	6.43	6.26	6.12	6.04	6.01	6.05	6.11	6.22	6.34	6.46	6.55	6.60	6.60
20	5.01	5.56	6.18	6.50	6.46	6.30	6.19	6.14	6.13	6.15	6.21	6.29	6.38	6.46	6.53	6.56	6.55
22 24	5.24 5.66	5.70 5.97	6.22	6.51 6.53	6.52 6.57	6.40	6.32	6.29	6.29	6.32	6.35	6.39	6.45 6.52	6.50 6.56	6.55 6.58	6.56	6.55
26	6.18	6.31	6.46	6.57	6.62	6.62	6.60	6.60	6.61	6.63	6.62	6.61	6.61	6.62	6.63	6.61	6.55 6.57
28	6.69	6.66	6.63	6.63	6.66	6.71	6.73	6.75	6.75	6.75	6.74	6.71	6.69	6.69	6.69	6.66	6.60
30	7.13	6.98	6.81	6.21	6.72	6.79	6.86	6.89	6.88	6.87	6.85	6.82	6.79	4.78	6.77	6.72	6.64
32	7.47	7.25	7.00	6.82	6.80	6.89	6.99	7.03	7,02	7.00	6.97	6.94	6.90	4.89	6.87	6.80	6.70
34	7.69	7.47	7.18	6.95	6.90	7.00	7.13	7.19	7.16	7.13	7.10	7.07	7.03	7.01	` 6.98	6.90	6.78
36	7.83	7.64	7.35	7.10	7.03	7.13	7.28	7.35	7.32	7.28	7.25	7.21	7.18	7.15	7.11	7.01	6.89
30	7.92	7.77	7.50	7.25	7.17	7.28	7.44	7.52	7.49	7,44	7.40	7.37	7.33	2.31	7.26	7.15	7.01
40 42	8.00 8.07	7.87 7.94	7.63 7.73	7.40 7.54	7.33	7.44	7.60	7.69	7.67	7.61	7.56	7.52	7.49	7.46	7.41	7.29	7.15
44	8.14	7.99	7.79	7.64	7.62	7.59 7.73	7.88	7.84 7.97	7.83 7.97	7.77 7.91	7.71 7.84	7.67 7.79	7.64	7.61 7.74	7.55 7.67	7.43 7.55	7.29 7.43
46	8.21	8.01	7.82	7.70	7.72	7.83	7.97	8.06	8.06	8.00	7.93	7.88	7.86	7.83	7.76	7.66	7.55
48	8.25	8.02	7.81	7.72	7.76	7.88	8.01	8.09	8.09	8.04	7.97	7.92	7.90	7.87	7.81	7.73	7.65
50	8.26	7.99	7.76	7.69	7.75	7.88	7.99	8.06	8,07	8.02	7.96	7.92	7.89	7.86	7.82	7.76	7.72
52	8.22	7.93	7.69	7.42	7.69	7.82	7.92	7.98	7.98	7.95	7.90	7.86	7.83	7.80	7.77	2.75	7.75
54	8.13	7.84	7.60	7.52	7.59	7.71	7.80	7.84	7.85	7.83	7.80	7.77	7.73	7.70	7.69	7.70	7.74
56	7.98	7.72	7.49	7.40	7.46	7.56	7.65	7.68	7.68	7.68	7.67	7.64	7.59	7.55	7.56	7.62	7.69
58	7.80	7.57	7.37	7.28	7.32	7.41	7.47	7.49	7.49	7.51	7.52	7.49	7.42	7.39	7.42	2.50	7.60
60	7.59	7.42	7.24 7.12	7.16	7.18	7.25	7.29	7.29	7.30	7.34	7.36	7.32	7.25	7.21	7.25	7.37	7.48
62 64	7.38 7.19	7.26	7.12	7.04	7.05 6.94	7.09 6.95	7.11 6.94	7.10 6.92	7.12 6.94	7.17 7.02	7.21 7.06	7.16	7.07 6.90	7.03 6.86	7.09 6.93	7.22 7.06	7.34 7.18
46	7.01	6.96	6.89	6.85	6.84	6.83	6.78	6.75	6.78	6.86	6.91	4.84	6.73	6.69	6.77	6.90	7.10
68	6.85	6.83	6.80	6.77	6.75	6.71	6.63	6.58	6.61	6.70	6.75	6.69	6.58	6.54	6.62	6.73	6.82
70	6.72	6.72	6.71	6.69	6.65	6.58	6.48	6.41	6.44	6.53	6.59	6.53	6.43	6.40	6.47	6.57	6.62
72	6.59	6.62	6.63	6.59	6.54	6.45	6.34	6.25	6.26	6.34	6.41	6.37	6.29	6.27	6.32	6.39	6.43
74	6.47	6.54	6.55	6.49	6.40	6.30	6.19	6.09	6.07	6.15	6.22	6.21	6.16	6.14	6.18	6.22	6.23
76	6.35	6.45	6.46	6.37	6.25	6.15	6.05	5.95	5.91	5.97	6.05	4.07	6.03	6.01	6.04	6.07	6.05
78	6.25	6.37	6.37	6.25	6.11	6.02	5.94	5.86	5.82	5.86	5.93	5.96	5.93	5.92	5.93	5.94	5.92
80	6.23	6.28	6.26	6.15	6.04	5.97	5.93	5.90	5.89	5.92	5.94	5.93	5.90	5.87	5.87	5.87	5.86
OCTOBE	R																
18	5.76	6.12	6.45	6.52	6.39	6.21	6.09	6.03	6.00	6.02	6.09	6.20	6.31	6.42	6.48	6.49	6.45
20	5.46	4.05	6.42	6.53	6.43	4.29	6.20	6.15	£.13	6.13	6.18	6.25	6.33	6.41	6.45	6.43	6.37
22	5.81	6.14	6.44	6.54	6.48	6.40	6.34	6.31	6.29	6.29	6.32	6.35	6.39	6.42	6.44	6.39	6.32
24	6.11	6.33	6.51	6.56	6.53	6.51	6.49	6.48	6.46	6.47	6.48	6.47	6.46	6.45.	6.43	6.37	6.28
26	6.47	6.57	6.61	6.60	6.59	6.61	6.63	6.63	6.63	6.63	6.63	6.58	6.53	6.48	6.44	6.35	6.24
28	6.86 7.23	6.83	6.74	6.66	6.65	6.71 6.81	6.77	6.79 6.93	6.78	6.78	6.76 6.89	6.69	6.60	6.53 6.59	6.45	6.34 6.35	6.21 6.20
30 32	7.56	7.08 7.33	6.89 7.06	6.76 6.88	6.85	6.94	7.04	7.08	6.94 7.09	6.93 7.07	7.01	6.91	6.69	6.68	6.56	6.39	6.22
14	7.83	7.55	7.24	7.03	6.99	7.07	7.18	7.24	7.25	7.22	2.15	7.03	6.91	6.80	6.66	6.46	6.27
36	8.03	7.74	7.42	7.21	7.16	7.23	7.34	7.40	7.41	7.37	7.29	7.17	7.06	6.94	6.78	6.57	6.37
38	8.19	7.90	7.59	7.39	7.34	7.40	7.50	7.57	7.57	7.53	2,44	7.33	7.22	7.09	6.92	6.71	6.51
40	8.29	8.02	7.74	7.57	7.52	7.58	7.66	7.73	7.73	7.68	7.59	7.49	7.38	7.26	7.08	6.87	6.68
42	8.36	8.11	7.87	7.73	7.70	7.74	7.81	7.87	7.88	7.83	7.74	7.64	7.55	7.42	7.25	7.04	6.88
44	8.38	8.16	7.96	7.85	7.84	7.87	7.93	7.98	7.99	7.94	7.86	7.78	7.69	7.57	7.40	7.22	7.09
46	8.38	8.18	8.01	7.94	7.93	7.97	8.01	8.06	8.07	8.02	7.95	7.88	7.80	7.68	7.52	7.38	7.29
48 50	8.34	8.16	8.01 7.97	7.96	7.98 7.96	8.01 7.99	8.04	8.0B 8.04	8.09 8.06	8.06 8.04	8.00 7.99	7.94 7.94	7.86 7.87	7.74 7.75	7.61 7.64	7.51 7.59	7.46 7.60
52	8.17	8.01	7.89	7.87	7.89	7.92	7.94	7.96	7.97	2.96	2.93	7.89	7.82	7.71	7.63	7.63	7.68
54	8.04	2.90	7.79	7.76	7.78	7.81	7.82	7.83	7.84	7.84	7.83	7.79	7.72	7.62	7.57	7.61	7.71
56	7.89	7.76	7.66	7.63	7.65	7.67	7.67	7.67	7.67	7.68	7.69	7.66	7.58	7.49	7.47	7.55	7.69
58	7.73	7.62	7.53	7.49	7.50	7.51	7.51	7.48	7.48	7.50	7.52	7.50	7.42	7.34	7.35	7,47	7.62
60	7.56	7.47	7.39	7.34	7.35	7.36	7.34	7.29	7.28	7.31	7.35	7.33	7.25	7.19	7.22	7.36	7.52
62	7.38	7.33	7.26	7.21	7.20	7.21	7.17	7.10	7.07	7.12	7.17	7.15	7.07	7.03	7.09	7.24	7.40
64	7.22	7.19	7.13	7.08	7.07	7.07	7.01	6.92	6.88	4.93	7.00	6.99	6.91	6.80	6.97	7.13	7.28
66	7.06	7.05	7.00	6.95	6.94	6.93	6.85	6.74	6.69	6.75	6.83	6.83	6.76	6.75	6.85	7.02	2.15
68	6.90	6.92	6.88	6.83	6.81	6.78	6.69	6.56	6.51	4.58	6.67	6.68	6.62	6.63	6.75	6.91 6.81	7.03 6.91
70	6.75	6.78	6.75	6.70	6.67	6.63	6.52	6.40	6.35	6.42	6.52	6.53 6.38	6. <b>49</b> 6.37	6.42	6.57	6.71	6.79
72 74	6.60	6.63	6.62	6.56	6.33	6.26	6.17	6.09	6.06	4.12	6.20	6.24	6.26	6.33	6.48	6.61	6.67
74 76	6.24	6.30	6.29	6.23	6.14	6.07	6.02	5.97	5.97	6.01	6.06	6.10	6.15	6.25	6.40	6.52	6.58
78	6.04	6.10	6.11	6.06	5.98	5.93	5.91	5.92	5.94	5.96	5.98	6.01	6.08	6.19	6.34	6.47	6.54
80	5.83	5.90	5.94	5.92	5.89	5.89	5.94	6.01	6.05	6.04	6.01	6.01	6.07	6.19	6.35	6.50	6.61
		•				-											

ZONAL MEAN PRESSURE SCALE HT (KM)

K# LAT	= -80	-70	~60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80 DE6
NOVEMBE	R	•															
18	6.66	6.64	6.56	6.40	6.20	6.04	5.95	5.92	5.93	5.95	6.01	6.12	6.26	6.34	6.33	6.27	6.22
20 22	6.66	6.63	6.55	6.41	6.25	6.13	6.07	6.06	6.05	6.05	6.08	6.16	6.26	6.30	6.26	6.17	6.08
24	6.85	6.80	6.59 6.68	6.53	6.33 6.42	6.25 6.38	6.22	6.22	6.21	6.20	6.21 6.37	6.25	6.29	6.29	6.22	6.09 6.04	5.98 5.90
26	7.00	6.93	6,79	6.63	6.54	6.53	6.55	6.56	6.56	6.55	6.53	6.48	6.39	6.30	6,18	6.02	5.87
28	7.16	7.08	6.93	6.77	6.68	6.68	6.72	6.73	6.74	6.73	6.69	6.59	6.46	6.33	6.20	6.03	5.87
30	7.33	7.24	7.09	6.93	6.85	6.85	6.88	6.91	6.92	6.91	6.85	6.72	6.55	6.39	6.24	6.07	5.92
32	7.50	2.41	7.27	7,12	7.04	7.03	7.06	7.08	7.09	7.09	7.01	6.85	6.65	6.47	6.31	6.15	6.02
34	7.66	7.58	7.45	7.32	7.24	7.22	7.23	7.25	7.27	7.26	7.17	6.99	6.78	6.59	6.43	6.28	6.16
36 38	7.83 7.98	7.75 7.91	7.64 7.82	7.53 7.73	2.45 2.65	7.41	7.41 7.58	7.42 7.58	7.43 7.59	7.42 7.57	7.33 7.48	7.15 7.31	6.93 7.10	6.73 6.90 ·	6.57	6.44	6.34 6.56
40	8.12	8.05	7.98	7.91	7.84	7.78	7.74	7.73	7.73	2.71	7.43	7.47	7.10	7.08	6.94	6.84	6.80
42	8.24	8.18	8.11	8.06	8.00	7.94	7.88	7.85	7.85	7.83	7.76	7.63	7.44	7.26	7.13	7.07	7.05
44	0.33	8.27	8.22	8.17	. 8.12	8.06	7.99	7.95	7.94	7.92	7.87	7.75	7.59	7.43	7.32	7.28	7.29
46	8.39	8.33	8.28	8.23	8.19	8.13	8.04	8.01	7.99	7.99	7.95	7.85	7.70	7.56	7.48	7.47	7.50
48	8.42	8.36	8.29	8.25	8.21	8.15	8.08	8.03	8.01	B.01	7.98	7.89	7.76	7.65	7.60	7.61	7.66
50	8.41	8.33	8.26	8.21	8.17	8.12	8.05	8.00	7.99	7.99	7.97	7.89	7.77	7.68	7.66	7.70	7.76
52 54	8.36 8.27	8.27 8.17	8.19 8.07	8.13 8.01	8.09 7.97	8.04 7.92	7.98 7.87	7.93 7.83	7.92	7.93	7.91	7.83	7.73	7.67	7.67	7.73	7.80 7.78
56	8.14	8.04	7.93	7.86	7.82	7.78	7.73	7.69	7.82 7.69	7.83 7.70	7.81 7.68	7.73 7.60	7.64 7.52	7.60 7.50	7.63 7.55	7.63	7.70
58	7.98	7.87	7.76	7.68	7.64	7.61	7.57	7.53	7.53	7.54	7.52	7.45	7.38	7.38	7.44	7.53	7.58
60	7.80	7.69	7.58	7.50	7.46	7.44	7.40	7.35	7.34	7.36	7.35	7.29	7.24	7.25	7.32	7.41	7.45
62	7.60	7.50	7.38	7.30	7.27	7.26	7.22	7.17	7.14	7.16	7.16	7.13	7.09	7.12	7.21	7.28	7.31
64	7.39	7.30	7.19	7.11	7.08	7.08	7.04	6.98	6.94	6.95	6.98	6.97	6.96	7.00	7.10	7.16	7.17
66	7.17	7.10	6.99	6.91	6.89	6.90	6.87	6.78	6.73	6.75	6.80	6.82	6.84	6.90	7.00	7.06	7.05
68 70	6.94	6.89	6.80	6.72 6.52	6.70	6.72	6.68	6.59	6.53	6.55	6.63	6.68	6.72	6.80	6.91	6.97	6.95
72	6.47	6.68	6.60	6.33	6.31	6.53	6.31	6.41	6.35	6.37	6.46	6.54	6.61 6.50	6.71	6.83 6.75	6.88 6.80	6.86 6.78
74	6.22	6.23	6.20	6.14	6.11	6,13	6.13	6.09	6.05	6.07	6.16	6.27	6.39	6.53	6.66	6.73	6.72
76	5.94	5.98	5.97	5.94	5.93	5.95	5.98	5.98	5.97	5.99	6.05	6.15	6.28	6.44	6.58	6.66	6.67
78	5.64	5.69	5.73	5.74	5.76	5.81	5.88	5.94	5.97	5.97	6.00	6.07	4.20	6.37	4.53	6.63	6.66
80	5.31	5.37	5.46	5.54	5.64	5.76	5.90	6.03	6.09	6.07	6.05	6.09	6.21	6.39	4.55	6.67	6.73
DECEMBE	R																
18	6.83	6.77	6.63	6.42	6.17	5.98	5.90	5.89	\$.91	5.94	5.98	6.10	6.24	6.32	6.26	6.10	5.94
20	6.87	6.79	6.66	6.47	6.27	6.13	6.06	6.05	6.05	6.04	6.05	6.13	6.24	6.29	6.19	5.98	5.77
22	6.92	6.85	6.71	6.54	6.38	6.27	6.22	6.20	4.19	6.17	6.17	6.22	6.29	6.30	6.12	5.92	5.60
24	7.00	6.93	6.80	6.64	6.50	6.41	6.37	6.36	6.34	6.32	6.32	6.34	6.37	6.33	6.17	5.91	5.67
26	7.10	7.04	6.91	6.77	6.64	6.57	6.53	6.52	4.51	6.49	6.48	6.47	6.45	6.37	4.18	5.93	5.71
28 30	7.22 7.35	7.16 7.30	7.05 7.21	6.92 7.09	6.80 6.98	6.73	6.70 6.87	6.68 6.85	6.68	6.67 6.85	6.66 6.83	6.61	6.53 6.62	6.40 6.45	6.21 6.25	5.99 6.07	5.80 5.94
32	7.49	7.46	7.38	7.27	7.17	7,10	7.05	7.02	7.02	7.03	7.01	6.91	6.72	6.51	6.32	6.19	6.11
34	7.65	7.62	7.55	7.46	7.36	7.28	7.22	7.19	7.19	7.21	7.19	7.07	6.85	6.60	6.42	6.33	6.31
36	7.80	7.79	7.73	7.65	7.55	7.47	7.40	7.35	7.35	7.37	7.36	7.23	6.99	6.72	6.55	6.49	6.52
38	7.96	7.95	7.91	7.83	7.73	7.64	7.56	7.51	7.49	7.52	7.52	7.39	7.14	6.87	4.70	6.67	6.73
40	8.11	8.10	8.06	7.99	7.90	7.80	7.71	7.64	7.63	7.65	7.66	7.55	7.30	7.03	6.87	6.86	6.95
42	8.25	8.24	8.20	8.12	8.03	7.94	7.84	7.76	7.74	7.77	7.79	7.69	7.46	7.20	7.05	7.06	7.15
44	8.38	8.36	B.30	8.22	8.13	8.05	7.95	7.86	7.83	7.86	7.88	7.80	7.59	7.35	7.22	7.24 7.40	7.33 7.48
46 48	8.47 8.53	8.44	8.37 8.41	8,29 8.31	8.20 8.22	8.11 8.14	8.02 8.05	7 <b>.93</b> 7 <b>.9</b> 7	7.90 7.94	7.93 7.97	7.95 7.98	7.87 7.89	7.68 7.72	7.48 7.56	7.38 2.50	7.53	7.60
50	8.55	B. 49	8.39	8.29	8.20	8.13	8.05	7.98	7.96	7.98	7.97	7.87	7.71	7.59	7.57	7.63	7.69
52	8.53	8.46	8.34	8.22	8.14	8.08	8.01	7.95	7.94	7.95	7,92	7.80	7.65	7.57	7.60	7.68	7.73
54	8.47	8.38	8.25	8.12	8.04	2.98	7.93	7.89	7.89	2.90	7.84	7.69	7.54	7.51	7.58	7.68	7.73
56	8.36	8.24	8.12	7.98	7.90	7.85	7.81	7.79	7.80	7.81	7.72	7.55	7.41	7.41	7.52	7.65	7.70
58	8.21	8.10	7.95	7.81	7.73	7.69	7.66	7.65	7.68	7.68	7.58	7.40	7.27	7.29	7.44	7.58	7.63
60	8.02	7.91	7.76	7.61	7.53	7.50	7.48	7.49	7.52	7.52	7.42	7.24	7.12	7.17	7.34	7.49	7.53
62	7.80 7.55	7.70 7.46	7.54 7.31	7.40 2.12	7.31 2.08	7.29 7.07	7.28 7.07	7.30 7.09	7.33 7.12	7.34	7.25 7.06	7.09 6.94	6.99 6.88	7.06 6.96	7.24	7.38 2.27	7.42 7.29
64 66	7.29	7.46	7.06	6.93	6.85	6.84	6.86	6.87	6.89	6.90	6.86	6.79	6.78	6.88	7.04	7.15	7.16
68	7.00	6.93	6.81	6.68	6.61	6.61	6.64	6.66	6.66	6.67	6.66	6.65	6.69	6.80	6.95	7.04	7.03
70	6.70	6.65	6.54	6.43	6.38	6.40	6.44	6.45	6.44	6.44	6.46	6.51	6.60	6.73	6.87	6.94	6.93
72	6.39	6.35	6.27	6.19	6.16	6.20	6.25	6.26	6.24	6.23	6.28	6.37	6.50	6.65	6.78	6.84	6.44
74	6.07	6.05	5.99	5.95	5.96	6.02	6.08	6.10	6.07	6.06	6.11	6.23	6.39	6.56	6.69	6.76	6.79
76	5.73	5.73	5.71	5.72	5.77	5.87	5.96	5.98	5.95	5.93	5.98	6.11	6.29	6.46	6.60	6.70	6.76
78	5.39	5.40	5.43	5.49	5.61	5.75	5.87	5.93	5.91	5.88	5.91	6.03	6.21	6.39	6.54	6-66	6.74
80	5.03	5.05	5,13	5.28	5.47	5.67	5.85	5.96	5.98	5.95	5.94	6.05	6.23	6.41	6.56	6.66	6.72

KM LAT =	-80	-70	-60	-50	-40	-30	-20	- 10	0	10	20	30	40	50	60	70	80 DEG
JANUARY															•		
18 20 22 24 28 30 32 34 36 36 40 42 44 46 48 50 52 54 56 60 64 66	0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -2 -2 -3 -4 -5 -6 -7 -7	2 1 0 -1 -2 -3 -4 -5 -6 -6 -6 -7 -8 -9 -10 -12 -13 -15 -16 -18 -20 -21 -23	6 3 0 -2 -4 -6 -8 -10 -11 -13 -14 -16 -17 -21 -24 -26 -29 -31 -33 -36 -36 -34 -40 -43	9 4 0 -4 -7 -10 -13 -15 -18 -21 -23 -26 -29 -31 -33 -36 -40 -42 -44 -46 -48 -50 -53 -54	8 3 2 6 10 17 20 24 27 31 34 47 48 50 51 52 53 53 53 53 53 52	3 -2 -6 -10 -13 -17 -20 -24 -28 -31 -35 -39 -42 -46 -48 -51 -52 -53 -52 -59 -48 -45 -42 -39	-3 -7 -10 -13 -16 -19 -23 -26 -29 -33 -37 -41 -45 -48 -51 -54 -55 -54 -52 -48 -49 -33 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	-5 -8 -12 -16 -19 -24 -26 -27 -31 -34 -37 -40 -45 -45 -45 -45 -39 -31 -27 -20 -12		3 1 1 1 0 -1 -2 -3 -4 -4 -4 -5 -6 -7 -9 -10 -10 -14 2 30 36 39	15 10 6 3 1 0 0 1 1 3 6 8 11 13 15 17 19 22 25 30 43 50 63 64 64 64 64 64 64 64 64 64 64 64 64 64	21 16 11 8 6 5 7 10 13 16 20 23 27 30 34 42 47 55 68 67 27 47	21 18 16 14 14 15 16 18 20 23 26 29 32 36 39 44 49 55 57 57 60 61 61	19 19 21 25 27 28 29 30 33 35 37 39 44 46 48 49 49 48 49 48 44 46 48 49 48 49 48 49 48 48 48 48 48 48 48 48 48 48 48 48 48	16 20 25 30 34 40 42 43 44 45 46 49 51 52 53 51 49 46 43 39 36 33 31	13 18 23 29 34 44 46 47 48 49 51 52 53 52 50 48 44 40 36 28 28 28	8 11 14 18 2 27 29 30 31 32 33 34 34 35 35 35 35 37 29 24 21 19 17
68 70 72 74 76 78 80 FEBRUARY	-8 -8 -8 -8 -9 -6	-24 -25 -26 -25 -25 -23 -22	-44 -46 -46 -46 -44 -41 -36	-56 -57 -57 -55 -52 -47 -40	-52 -52 -50 -47 -43 -37 -28	-39 -36 -32 -28 -24 -19	-22 -17 -13 -10 -8 -6 -4	7 10 10 7 2 -3	-	39 37 32 26 20 15	69 65 60 53 46 41	74 71 67 61 55 50	60 57 54 50 45 40	40 38 36 33 29 25	29 27 26 24 22 19	24 23 23 22 22 22 22	16 16 16 16 16 17
18 20 22 24 26 30 32 28 34 36 38 40 42 44 46 50 52 54 56 60 66 68 70 72 74 78 80	3 5 2 2 2 3 3 4 4 5 5 6 6 6 6 6 6 5 5 7 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 65 4 4 4 4 4 4 4 4 4 4 4 4 7 11 -13 -16 -16 -16 -16 -16 -16 -16 -16 -16 -16	11 97 54 2 1 0 -1 -2 -3 -3 -4 -4 -4 -5 -6 -10 -15 -18 -21 -28 -28 -24 -24 -21	12 8 5 3 9 -2 -4 -6 -7 -9 -10 -11 -12 -13 -15 -16 -17 -20 -21 -24 -26 -28 -30 -30 -30 -30 -30 -30 -30 -30 -30 -30	7 3 -1 -4 -7 -9 -11 -12 -14 -15 -16 -19 -21 -22 -28 -28 -29 -27 -26 -27 -25 -23 -21 -17 -17 -13 -19 -19 -21 -21 -22 -22 -22 -23 -24 -25 -26 -27 -27 -27 -27 -27 -27 -27 -27 -27 -27	0 -5 -10 -13 -15 -18 -19 -21 -23 -25 -27 -28 -31 -30 -29 -25 -15 -12 -8 -5 -2 0 2 5	-5 -10 -15 -19 -22 -27 -30 -34 -35 -36 -36 -36 -36 -37 -25 -21 -25 -21 -10 -10 -11 -11 -11 -11 -11 -11 -11 -1	-1 -6 -13 -19 -23 -30 -33 -35 -37 -38 -35 -19 -12 -5 -10 10 10 9 8 7 5 2 -1 -5 -8		3	16 11 6 4 2 2 3 5 7 10 13 16 20 23 27 31 36 40 45 59 64 65 64 65 64 65 64 65 64 65 64 65 64 65 64 65 65 65 65 65 65 65 65 65 65 65 65 65	22 15 11 8 7 8 11 15 24 29 38 42 46 51 55 57 63 63 67 77 79 79 77 79 77 79 77 74 70 66 62 58	21 114 12 113 15 18 22 26 316 40 47 53 57 60 63 66 67 68 67 66 67 68 67 65 67 65 67 65 67 65 67 65 67 65 67 67 67 67 67 67 67 67 67 67 67 67 67	19 18 18 18 19 20 22 24 30 33 38 42 45 55 54 55 54 42 43 43 43 42 43 42 43 42 43 42 43 42 43 43 43 43 43 44 45 45 45 45 45 45 45 45 45 45 45 45	17 19 22 24 26 27 27 28 30 32 35 38 41 45 47 49 47 44 40 35 30 25 21 11 11 11 9 6 3	14 18 21 25 27 28 29 30 31 32 34 42 41 42 41 37 35 30 24 11 41 9 6 4 3 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	11 13 16 18 19 20 20 21 22 23 24 25 26 25 26 27 17 14 10 7 4 2 2 1 2 2 2 2 3 3 4 4 2 5 2 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

ZONAL MEAN GEOSTROPHIC W-E WIND (M/S)

KM LAT =	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	40	70	BO DEG
MARCH		•															
18	7	13	16	15	10	2	-3	- 3	_	10	15	15	1.4	13	15	15	10
20	7	12	15	13	6	- 2	-8	-8	-	4	9	11	11	12	14	15	10
22 24	8	13 13	14 13	11 9	3 2	-5 -7	-12 -14	-13 -18	-	† -2	5 3	8 7	9 9	11 11	14	15 15	10 10
26	9	1.4	13	9	1	-8	-16	-21	-	-4	2	7	10	12	14	14	ÿ
28 30	10	15 16	14	8 9	1 2	-7 -7	-16 -16	-24 -25	-	-6 -7	2 3	9 12	12 16	13 15	13 13	12 12	8 7
32	12	18	15	ý	2	-6	-16	-25	-	-8	5	16	19	17	14	11	,
34	13	19	17	11	3	-5	-14	-24	-	-7	7	19	23	20	16	12	2
36 38	14 16	21 23	19 21	12 14	4 5	-4 -3	-13 -11	-21 -17	-	-5 -2	10	22 25	26 29	23 27	18 21	13 15	7 8
40	17	26	24	15	6	- 2	-8	-12	-	2	16	27	32	30	25	18	9
42 44	18 20	28 30	24 29	17	? ?	- 1 0	-5 -!	-5 3	-	8 14	20 24	29 31	34 36	33 36	28 31	20 23	11 12
46	21	33	31	20	7	ŏ	2	12	-	21	28	33	37	38	34	26	14
48	22	34	33	21	<i>)</i>	1	6	21	-	27	32	35	38	40	37	27	15
50 52	22 22	35 36	35 36	22 23	,	1	, 9 , 12	29 35	-	33 38	36 40	37 39	39 40	41 42	38 38	28 28	15 15
54	22	35	36	23	8	2	1.4	40	-	42	43	40	41	42	38	27	14
56 58	21 20	34 32	35 34	23 23	8 9	3 5	16	43 43	-	45 46	45 47	42 43	42 42	42 42	3°	26 25	1 <b>3</b> 12
60	18	30	32	23	11	,	18	41	-	47	47	44	43	41	35	23	11
62	16	27	29	22	13	10	19	37	-	47	47	45	44	41	33	22	10
64 66	15 13	24 21	26 23	21 20	15 17	13 17	20 21	31 25	-	45 42	46 44	45 45	44 45	41 40	32 32	21 21	10 10
68	12	19	19	18	19	21	22	17	-	38	40	45	45	39	31	21	11
70 72	11	16 15	16 13	1 <i>7</i> 1 <b>5</b>	21 23	25 28	22 22	2	-	32 24	36 31	43 41	44 43	38 37	30 30	22 23	12 13
74	11	13	11	14	24	30	21	-4	-	15	26	38	41	35	29	24	15
76	10	12	9	13	24	30	18	-8	-	5	20	35	38	32	28	25	16
78 80	10 10	12 11	8 8	12 11	23 23	29 28	16 15	-10 -10	-	-5 -11	15 13	32 31	35 32	29 26	27 <b>25</b>	26 27	10 19
APRIL																	
18 20	7 10	14 17	19 20	20 18	16 12	9 5	3 -2	-1 -7	-	13	12 7	1 2 8	10 7	6	2 1	-1 -2	-1 -2
22	12	21	22	18	10	2	~5	-13	-	1	3	5	Ś	3	-1	- 2	-2
24	15	24	24	18	10	1	- B - 9	-17	-	-4	0	5	5	2	-2	-3	-2
26 28	18 20	28 31	27 30	20 23	†2 14	2 4	-8	-21 -23	-	-8 -10	- 1 - 1	6 8	6 8	2 3	-3 -3	-4 -5	-3 -3
30	21	33	33	27	18	8	-7	-23	-	-11	٥	9	10	4	-2	-4	-3
32 34	22 23	35 38	37 41	31 36	23 27	11 16	-3 1	-20 -15	-	-9 -5	2	11 12	11	5 7	- t 1	-3 -1	-2 -1
36	24	40	44	41	32	20	6	-8	-	-1	6	12	13	9	4	1	Ö
38	25	42	49	46	37	• 24	12	1	-	5	. 8	12	14	11	.? 10	4	1
40 42	25 26	44 46	53 57	51 56	41 45	29 32	18 24	10 20	-	1 1 1 8	11	12 11	13	13 15	14	6 9	4
44	26	48	60	60	49	36	29	29	-	24	15	10	12	16	16	1.2	6
46 48	26 26	49 50	64 66	64 68	53 56	39 42	34 38	37 44	-	29 34	17 19	9 9	11 10	17 17	19 20	14 15	7 8
50	25	50	68	21	58	44	41	49	-	38	20	8	9	18	21	16	8
52	24 23	49 48	69	72 74	61 62	46 48	44 45	52	-	42 44	21 21	? 6	8	18 17	22 22	17 17	8 8
54 56	23 21	45	68 67	74	64	49	45 45	53 52	-	45	21	5	7	17	22	12	8
58	18	42	65	24	65	50	45	50	-	45	20	5	6	17	22	17	8
60 62	16 13	39 35	62 59	73 71	65 66	51 52	44 43	45 39	-	43 38	18 15	4	6	16 16	21 21	17 17	8
64	11	32	55	69	66	53	41	32	-	31	1.1	2	6	16	20	16	8
66	10	28	51	66	66	54	38	23	-	22 10	6 1	1	6 7	15 14	19 18	16 16	8 9
68 70	<b>9</b> 8	2 <b>5</b> 23	47 43	63 60	66 65	54 54	35 31	12 2	-	-2	-6	0	7	13	17	15	9
72	8	21	39	56	63	53	26	- 9	-	-15	-12	-1	7	12	15	15	10
74 76	7	18 16	34 30	51 47	60 57	51 48	22 18	-18 -23	-	-26 -34	-17 -21	-2 -4	7 6	11 9	13 12	14	10 10
78	6	13	26	42	53	45	15	-25	-	-37	-22	-5	5	8	11	14	11
80	5	11	22	37	49	43	15	-23	-	-37	-21	-4	4	7	11	15	11

KM LAT =	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80 DEG
HAY																	
19	14	21	22	20	18	16	10	1	-	3	5	8	,	3	٥	-1	0
20	17	27	27	21	16	11	5	-3	•	-2	1	4	3	0	-2	-2	-1
22 24	21 25	33 40	33 39	24 28	15 16	8 7	2	- <b>6</b> -7	-	-6 -11	~3 ~6	-1	1	-1 -1	-3 -3	-3 -3	-1 -2
26	28	44	45	33	19	8	-1	-8	-	-14	-7	-i	ŏ	- 2	-4	-4	-3
28 30	30 31	48 50	50 54	39 46	25 31	11 16	0 3	-7 -5		-15 -15	-7 -7	-1 -1	0	-2 -2	-4 -5	-5 -5	-3 -3
32	31	51	58	52	39	23	8	-2	-	-13	-6	-1	ò	-2	-5	-6	-3 -4
34	31	52	61	58	47	31	14	3	-	-11	~5	-1	0	-2	-5	-5	-4
36 38	30 28	52 51	63 66	64 70	56 64	39 48	21 29	8 13	-	-7 -5	-4 -4	-2 -3	-1 -2	-2 -3	-4 -4	-5 -4	-3 -3
40	27	51	68	76	72	57	37	18	-	- 3	-4	-4	-4	-4	-4	-4	-2
42 44	26 25	51 50	71 72	81 86	80 87	65 73	44 51	23 27		-1 -1	-5 -7	-6 -8	-5 -7	-4 -5	-4 -4	-3 -3	-2 -2
46	24	50	74	90	93	80	56	29	-	-2	-9	-10	-6	-6	-4	-2	-1
48	24	50	75	93	98	86	61	31	-	-2	-11	-12	~10	-7	-4	-3	-1
50 52	23 23	49 48	75 74	94 95	101	91 96	66 70	32 32	-	-3 -3	-13 -15	-14 -15	~11 ~12	-8 -9	-5 -6	-3 -4	-1 -2
54	23	47	73	94	105	99	73	31	-	-3	-16	-17	-13	-10	-7	-5	-2
56 58	23 23	46 45	70 67	92 89	105 103	101 102	75 77	30 29	-	-3	-18	-18	-14	-11	-9 -10	-6 -7	-3
60	23	44	64	85	101	103	77	26	-	-3 -5	-19 -21	-19 -19	-15 -15	-12 -13	-12	-8	-3 -4
62	23	43	61	81	99	101	. 76	23	-	-10	-23	-20	~15	-15	-14	-10	-5
64 66	24 24	42 42	50 55	77 72	95 91	99 95	73 67	19 13	:	-16 -26	-26 -29	~19 -19	-15 -15	-16 -17	-15 -17	-11 -13	-5 -6
68	25	41	52	68	86	89	60	7	-	-38	-32	-18	-14	-18	-19	-14	-6
70 72	26 26	41 40	49 46	43 59	81 74	82 73	51 41	0 -6	-	-51	-35	-17	-13	-19	-21	-14	-6
74	26	39	43	53	67	64	32	-12	-	-64 -75	-38 -39	-15 -13	-12 -11	-20 -20	-22 -23	-15 -15	-5 -5
76	25	37	39	48	60	56	24	-15	-	-82	- 39	-11	-10	-21	-24	-14	-4
78 80	24 23	34 31	35 31	42 37	53 47	48 43	18 15	-1 <b>6</b> -12	-	-84 -82	-36 -30	-8 -3	-8 -6	-20 -18	-23 -21	-13 -11	-3 -2
			-		••					••	•	•	-	,,	•	•••	-
JUNE																	
18 20	1 <i>7</i> 21	27 34	27 35	23 27	20 19	19 14	15 9	-1	-	2 ~1	-2 -5	1 -4	3 -2	2 -1	0 -2	-1 -3	-1 -2
22	26	42	44	34	21	11	4	-1 -2	-	-5	-5 -8	-7	-4	-3	-4	-3 -4	-2 -3
24	30	50	53	42	24	9	1	-3	-	-10	-10	-9	-6	-5	-5	-5	-4
26 28	34 36	56 61	61 68	50 58	30 37	11 15	0	-2 -1	-	-13 -16	-12 -12	-10 -11	-7 -8	-6 -7	-6 -7	-6 -7	-4 -5
30	38	64	73	65	45	22	5	ò	-	-17	-13	-11	-9	-8	-8	-8	-5
32 34	39 39	67 68	77 7 <b>9</b>	71 76	53 62	31 42	12 20	2	-	-18 -18	~14 -15	~12 ~13	-11 -12	-10 -12	-10 -11	-9 -9	-5 -5
36	40	68	80	80	71	54	30	5	-	-18	-17	-15	-14	-14	-13	-9	-5 -5
38	40	68	81	83	79	66	40	6	-	-18	-19	-16	-16	-17	-15	-10	-4
40 42	40 40	67 67	81 81	87 89	88 96	78 89	50 59	6	-	-19 -21	-22 -26	-19 -21	-19 -20	-20 -22	-17 -19	-10 -10	-3 -3
44	40	67	81	92	103	100	66	5	-	-23	-29	-23	-23	-25	-21	-10	-2
46	40	66	80	94	109	108	73	4	-	-26	-32	-26	-25	-27	-23 -25	-11 -12	-2 -2
48 50	41 41	66 66	80 79	95 95	113	115 120	78 81	2	-	-29 -32	-36 -39	-28 -29	-2 <i>7</i> -28	-30 -32	-27	-13	-2
52	41	65	22	95	118	124	84	-1	-	-35	-41	~31	-30	-34	-29	-14	-2
54 56	41 41	64 63	75 72	93 89	118 117	126 127	86 87	-3 -4	-	-36 -37	-43 -45	-32 -33	-31 -32	-36 -37	-31 -33	-15 -17	-3 -3
58	41	62	69	85	115	127	88	-4	-	-38	-46	-34	-33	-39	-35	-18	-4
60	41	61	65	81	111	125	87	-5	-	-38	-46	-35	-34	-41	-37	-20	-5 -4
62 64	42 42	60 59	62 59	76 21	107 102	122 117	85 81	~6 ~7	-	-39 -41	-47 -47	-35 -35	-35 -36	-43 -45	-39 -41	-21 -23	-6 -6
66	42	58	56	67	96	110	75	-9	-	-43	-46	- 35	-37	-46	-43	-24	-7
68 70	41	57	54 52	62 58	89 82	101 91	67 57	-12 -1 <b>5</b>	-	-47 -52	-46 -45	-34 -32	-37 -37	-47 -48	-44 -45	-25 -26	-8 -8
70	40	56 55	50	38 54	74	80	47	-18	-	-52 - <b>58</b>	-44	-32	-36	-48	-46	-27	-8
74	40	53	48	50	65	69	37	-20	-	-64	-42	-27	-34	-48	-46	-27	-8
76 78	39 38	52 49	44	44 39	5 <i>7</i> 50	59 51	29 23	-21 -21	-	-69 -72	-39 -34	-22 -15	-31 -26	-46 -43	-45 -43	-26 -25	-8 -8
80	36	46	37	34	44	45	19	-18	-	-72	-27	-7	-19	-38	-39	-23	-7

KM LAT =	-80	-70	- 60	-50	-40	-30	-20	. 0	ú	10	20	30	40	50	60	70	BO DEG
JUL Y																	
18	16	28	34	32	26	20	15	6	-	6	-4	-5	-1	2	2	-1	-2
20 22	21 26	37 47	44 56	39 49	26 29	14	<b>9</b> 3	4	-	3 -2	-7 -9	-9 -12	-6 -8	-1	-1	-2	-3
24	31	56	98	59	33	8	-2	;	-	-6	-11	-12	-8 -11	-3 -5	-2 -3	-4 -5	-4 -5
26	35	64	22	69	40	8	-5	3	-	-10	-12	-16	-12	-6	-5	-6	-6
2 <b>8</b> 30	37 38	6 <b>8</b> 22	85 90	78 85	47 54	1 1 1 6	-6 -5	2	-	-12 14	-13 -14	-1 <i>7</i> -1 <b>8</b>	-14 -16	-8 -10	-6 -7	-7 -8	-6 -7
32	38	73	94	90	61	23	-1	ò		-14	-16	-20	-18	-12	-9	-6 -9	-7 -7
34	39	24	96	93	6.7	31	5	0	-	-15	-17	- 21	- 20	-14	-10	-9	-6
36 3 <b>8</b>	39 40	75 76	97 97	96 97	72 77	39 47	1 1 1 9	0	-	-15 -15	-1 <b>9</b> -21	-23 -26	-22 -25	-1 <i>7</i> -20	-12 -14	-9 -9	-6 -5
40	42	22	98	98	81	55	26	1	-	-15	-24	-28	-28	-23	-16	-9	-3 -4
42	43	78	98	99	85	62	32	1	-	-15	- 26	-30	-31	-26	-19	-10	-3
44 46	45 46	80 81	98 9 <i>7</i>	99 100	89 92	48 73	3.7 42	0 -2	-	-15 -15	- 28 - 30	- 33 - 35	-33 -36	-29 ` -32	-21 -23	-10 -11	-3 -3
48	47	81	97	100	95	78	45	-4	-	-15	-32	-37	-30	- 35	-25	-12	-3
50	4.7	80	95	99	. 96	81	48	- 5	-	-15	- 33	- 38	-40	-37	-27	-13	-3
52 54	42 46	79 76	93 89	98 95	97 97	84 86	50 53	-7 -7	-	-15 -14	-34 -34	- 39 - 39	-41 -42	-39 -42	-29 -32	-15 -16	-4 -5
56	45	73	85	91	95	88	55	-6	-	-13	-34	-37	-43	-44	-34	-18	-5
58	43	70	80	86	93	89	58	-4	-	-12	- 33	- 38	-44	-46	-37	-20	-6
60 62	42 41	67 64	75 69	80 74	89 85	89 88	61 63	0 5	-	-10 -8	-31 -29	-37 -36	-45 -45	-48 -51	-40 -43	-22 -24	-7 -8
64	40	61	64	69	81	86	64	10	-	-5	-25	-34	-46	-53	-45	-26	-e -9
66	39	58	60	64	76	83	64	14	-	- 3	-22	-32	-46	-55	-48	-28	-10
68 70	38 37	56 54	56 54	59 55	71 66	28 23	62 57	1.7 1.9	-	-1 -1	-18 -15	- <b>30</b> -27	-46 -45	-56 -57	-50 -51	-30 -31	-11
72	36	52	51	52	61	66	52	18	-	-3	-13	-24	-43	-56	-51	-32	-11 -12
74	35	50	49	48	55	59	45	16	-	-6	-10	-21	-40	-54	-50	-32	-13
76 78	34	47	46	43	49	52	39	12 9	-	-12	- 9	-16	-35	-50	-48	-32	-13
80	34 34	48 47	43 40	38 34	43 38	46 41	33 29	7	-	-18 -24	-8 -6	-11 -3	-28 -19	-44 -36	-45 -40	-31 -30	-14 -14
AUGUST											-	•		••			
1 <b>8</b> 20	14 22	25 38	29 43	28 36	26 25	22	16	1 -2	-	7 1	-3 -8	-4 -7	0 -3	4	4 2	2 1	0
22	31	53	58	45	25	10	3	-4	_	-5	-11	-10	-5	-1	ō	ò	-1
24	40	67	72	54	27	7	-2	-5	-	-10	-14	-12	-7	- 2	0	-1	-1
26 28	48 53	78 86	83 91	63 69	31 34	5 5	-6 -8	-6 -7	-	-13 -15	-15 -15	-14 -15	-9 -10	-3 -4	-1 -2	-2 -2	-2 -2
30	56	91	96	73	38	7	-8	-8	-	-15	-16	-16	-11	-6	-3	-2	-2
32	58	94	98	75	41	11	-5	- 9	-	-15	-16	-16	-13	-7	-4	-2	-1
34 36	59 61	96 97	99 98	76 75	43 45	16 21	~1 4	-9 -9	-	-14 -13	-1 <i>7</i> -18	-1 <i>7</i> -18	-14 -16	-9 -11	-5 -6	-2 -1	0
38	62	98	97	73	46	26	10	-8	-	-11	-19	-19	-17	-13	-7	-i	ĭ
40	65	100	96	70	47	32	17	-7	-	-9	-19	-20	-19	-15	-8	-1	2
42 44	67 70	102	94 93	68 66	48 49	38 43	24 31	-6 -4	-	-5 -1	-19 -19	-21 -22	-21 -22	-17 -19	-10 -11	0	3 4
46	71	103	91	64	50	49	38	-2	_	4	-18	-22	-24	-21	-12	ŏ	4
48	72	102	98	62	52	54	44	-1	-	10	-17	-23	-25	-23	-13	0	5
50 52	71 69	99 95	94 80	60 58	54 55	59 64	4 <i>9</i> 54	1 2	-	15 20	-15 -13	- <b>23</b> -22	-26 -26	-24 -26	-14 -16	-1 -2	5
54	66	90	75	56	57	68	59	4	-	23	-12	-21	-27	-27	-17	-3	- 1
56	62	84	69	53	58	71	63	6	-	25	-10	-20	-27	-29	-20	-5	3
58 60	59 55	79 73	64 58	50 46	58 58	75 77	67 20	9 13	-	26 24	-8 -7	-18 -16	-26 -26	-30 -32	-22 -25	-7 -9	2
60 62	52	68	58 53	43	38 57	78	70 72	18	-	22	-/ -5	-13	-26 -25	-32	-23	-12	ò
64	50	64	49	39	56	79	74	22	•	19	-3	-10	-24	-35	-31	-15	-2
66	47	60	45	37	55	79 77	74	27	-	15	0	-7	-23 -21	-36	-34	-17 -20	-3 -5
68 70	45 43	5 <i>7</i> 55	42 40	35 34	53 51	77	72 69	30 31	-	10 5	2 3	-4 0	-21 -19	-37 -37	-36 -38	-22	-6
72	42	53	39	32	49	70	64	29	-	-1	4	3	-16	-36	-38	-23	-7
74	41	52	37	30	46	65	58	25	-	-8	4	6	-13	-34	-38	-24	-8
76 78	41 42	51 52	36 34	2 <i>7</i> 2 <b>3</b>	42 37	59 54	51 44	1 <i>7</i> 8	-	-17 -25	-2	8 11	-8 -3	-30 -26	-36 -34	-24 -24	-9 -10
80	44	52	31	19	32	50	39	ĭ	-	-34	-4	15	4	-19	-30	-24	-11

KM LAT =	-80	-70	-60	-50	-40	- 30	-20	-10	0	10	20	30	40	50	60	20	80 DEG
SEPTEMBER																	
18	9	23	36	40	31	16	5	- 1	-	5	1	1	6	10	9	5	1
20 22	19 29	37 52	47 59	43	27 24	10 5	0	-5	-	0	-4	- 3	3	8	8	5	1
24	38	52 64	68	46 49	29	2	-4 -6	-7 -8	-	-4 -7	-8 -9	- <b>6</b> -7	1 -1	6 5	7	5 5	2 2
26	45	7.3	74	52	22	0	-8	-7	-	-8	- 9	-7	- 1	ž	7	5	2
28 30	50 52	79 80	77 78	54 54	23 25	1	- 8	-6	-	-8 -7	-8	- 6	- 1	4	7	6	3
32	52 52	79	78 76	53	25 26	3 7	-6 -3	-6 -6	-	-6	-7 -6	-5 -4	-1 0	4 5	8	7 9	4
34	51	27	73	51	28	11	2	-5	-	- 3	-5	-3	ŏ	š	9	11	8
36	49	24	69	48	29	1.7	7	-5	-	0	-3	- 2	1	5	11	13	10
38 40	48 48	71 69	64 60	45 43	31 3 <i>2</i>	23 28	13 20	-4 -2	-	3 8	-2 0	0	3	6	12 14	16 19	12 14
42	47	66	57	40	34	34	27	ō	-	13	2	2	4	8	16	22	16
44	46	64	54	38	35	39	34	3	-	19	5	3	4	9.	18	25	18
46 48	44 42	61 57	51 48	37 37	37 39	44 49	40 45	<i>7</i> 11	-	26 32	B 10	5 6	5 5	10 10	20 22	27 29	20 22
50 .	39	53	45	36	• 42	53	49	14	-	32	13	7		11	23	30	22
52	35	48	41	36	44	56	53	17	-	41	15	7	6	12	23	31	23
54 56	31 27	42 37	38	36 35	46	59	55	18	-	43	16	8	7	12	23	30	23
38 58	23	32	34 31	34	48 49	61 63	57 57	19 19	-	44 42	17 17	9 11	9	12 12	22 21	29 27	22 20
60	20	28	28	33	50	64	57	19	-	38	12	12	10	12	19	25	19
62	18	24	25	32	50	64	56	18	-	33	17	15	12	12	17	22	17
64 66	16 15	22 20	22 20	31 30	50 49	64 62	、 54 51	17 16	-	26 17	17 17	17 20	14 16	11 10	14 12	19 16	15 13
68	14	18	19	29	48	59	47	14	-	1,	17	23	18	10	9	14	12
70	13	18	19	28	46	56	41	11	-	-1	16	27	20	9	7	11	11
72	13	18	18	27	44	51	34 27	?	-	-11	15	29	22	8	5	10	10
74 76	14 15	18 19	17 16	25 22	41 37	46 41	20	0 -8	-	-21 -30	13 10	31 31	23 24	8 7	3 2	9 8	10 10
78	17	20	15	18	33	37	14	-16	-	-39	7	31	24	,	ī	ě	10
80	19	21	13	15	29	34	11	-22	-	-45	4	31	25	7	1	8	10
OCTOBER																	
18	11	22	28	27	19	9	1	-2	-	-3	3	9	13	15	14	10	5
20 22	17 24	30 39	33 39	26 26	1.4 1.1	3	-4 -7	-7 -10		-7 -9	-1 -4	5 3	10 8	13 12	13 13	10 11	6 7
24	30	47	43	26	9	-2	-9	-13	-	-11	-5	2	8	11	13	13	8
26	35	52	45	26	9	- 2	- 9	-15	-	-12	-4	4	9	12	15	15	10
28	38	54	45	25	9	0	-7	-16	-	-12	-3	,	11	13	16 19	17	12
30 32	38 38	53 51	43 40	24 22	11 12	3 7	-5 -1	-16 -14	-	-12 -9	0	10 15	14 17	15 18	22	20 24	14 17
34	36	47	36	20	13	11	ä	-12	-	- <b>5</b>	ý	19	21	21	25	28	20
36	33	43	31	18	14	15	7	- 9	-	0	14	24	24	24	29	33	23
38 40	31 28	38 34	27 23	15 13	15 16	18 22	12 16	-6 -3	-	6 13	19 24	28 32	28 31	28 31	34 39	38 43	26 30
42	25	30	19	12	17	25	20	í	-	20	29	36	34	35	44	48	33
44	22	26	16	10	17	27	23	4	-	27	34	39	37	39	48	52	36
46 48	20 1 <i>7</i>	23 20	14 12	10 9	18 19	28 30	26 28	7	•	33 38	38 41	42 44	40 43	43 46	52 55	56 59	38 40
50	15	17	10	9	19	30	29	12	-	41	43	46	45	48	57	60	40
52	12	14	9	ç	20	31	30	13	-	43	45	48	47	50	59	60	40
54	10	11	8	9	20	31	30	14	-	43	45	49	49	52	59	59	39
56 58	8	9	6 5	9 9	20 21	31 31	30 28	14 13		42 39	45 44	49 50	٥٥ 51	53 53	58 56	56 53	37 35
60	5	5	3	8	21	30	26	10	-	34	42	51	52	52	53	50	32
62	4	4	2	8	21	29	23	5	-	28	40	51	53	51	50	46	30
64 66	4	2 2	1	, 6	20 20	28 26	19 14	-2 -11	-	21	37 34	52 53	54 55	50 48	47 43	42 39	27 25
68	- ;	1	-1	5	19	24	8	-21		í,	31	53	55	46	19	35	23
70	4	1	- 2	4	19	22	1	-31		-10	27	53	55	43	35	32	22
72	5	;	-3 -4	3	1 <i>7</i> 15	18 15	-6 -12	-41 -49		- 21 - 30	22 18	53 51	54 52	40 37	31 28	29 27	20 20
74 76	5 6	2	-4 -5	-1	12	12	-16	-53	-	- 30	15	49	50	34	24	24	19
78	2	3	-5	- 3	10	10	-12	-53		-42	13	47	47	30	21	22	18
80	8	4	- 6	-4	8	10	-15	-49	-	-42	13	45	44	26	18	20	17

#### ZONAL MEAN GEOSTROPHIC W-E WIND (M/S)

KM LAT =	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80 DEG
NOVEMBER																	
18	12	19	20	17	12	5	-5	-14	-	-3	7	16	18	16	14	12	,
20 22	12 12	1 <b>9</b> 17	17 15	12 9	<i>7</i> 3	0	-7 -9	-14	-	-6	3	11	15	15	15	13	
24	11	16	12	6	0	-3 -4	-9	-15 -16	-	-6 -6	1	8	13	16 17	17 19	15 18	9 11
26	11	14	•	2	- 1	-4	-9	-17	-	-5	1	10	15	19	22	22	14
28	11 10	12	6	-1	- 3	-3	-7	-17	-	-4	4	13	19	22	26	25	16
30 32	10	10 9	2 -1	-4 -7	-4 -5	-2 -1	-6 -5	-16 -15	-	-2 1	9 15	19 25	23 29	26 30	29 33	29 33	19 21
34	9	2	-4	-10	-6	- 1	-4	-13	-	Ä	21	33	35	35	37	37	24
36	8	5	- 6	-12	- 8	- 1	- 3	-11	-	9	29	41	42	40	41	40	26
38 40	8 2	4	-8 -10	-14 -16	- <b>9</b> -11	-2 -4	-3 -4	-10 -10	-	14 18	36 42	48 56	48 55	45 50	45 49	43 46	2 <b>0</b> 30
42	6	1	-11	-18	-13	-5	-6	-11	-	22	48	63	61	55	53	47	31
44	6	1	-12	-19	-14	-8	-8	-13	-	25	53	68	67	60	56	51	32
46 48	5 4	0 -1	-13 -14	-20 -21	-16 -17	-10 -12	-11 -14	-16 -19	-	27 27	57	73 78	72	63	58	52	33
50	- 7	- 3	-15	-21	-18	-14	-17	-22	-	28	60 62	78 81	76 79	66 68	60 60	52 52	33 33
52	3	-4	-16	-22	-19	-15	-19	-24	-	27	63	83	81	69	60	51	32
54	2	-5	-17	-22	-19	-17	-21	-26	-	27	65	85	82	68	58	50	31
56 58	0 -1	-7 -9	-18 -19	-23 -23	-20 -20	-18 -19	-23 -25	-28 -29	-	26 25	66 67	86 87	82 82	67 66	57 54	48 46	30 29
60	-2	-11	-21	-23	-20	-19	-27	-31		24	67	88	81	64	52	44	28
62	-3	-12	-22	-24	-20	-20	-20	-34	-	22	67	88	80	61	49	42	27
64	-4	-14	-23	-25	-19	-20	-30	-38	-	19	65	87	78	59	47	41	27
66 68	-5 -5	-15 -16	- 25 - 26	-25 -26	-19 -18	-19 -19	-33 -36	-44 -52	:	14 8	62 58	85 82	76 74	56 53	44 42	40 39	26 27
70	-6	-12	-27	-26	-17	-18	-38	-60	-	2	52	79	71	50	39	38	27
72	-5	-17	-28	-26	-16	-17	-40	-67	-	-6	45	74	67	46	37	37	27
74 76	-5 -4	-17 -16	-29 -29	-27 -27	-16 -15	-16 -15	-41 -40	-73 -75	-	-12 -10	39 33	68 62	62 57	42 38	34 32	37 36	26 28
78	-3	-15	- 27	-26	-14	-12	-37	-73	-	-20	33 29	57	52	34	29	30 34	27
80	-2	-12	-25	-24	-12	-8	-30	-65	-	-19	28	54	47	29	26	33	27
DECEMBER																	
			8		12		-5	-15	_							15	9
18 20	2	5 3	5	12 6	6	6 1	-3 -7	-13	-	0 -1	11 8	17 14	20 17	19 16	17 20	19	12
22	ò	Ť	ī	2	ī	- 3	- 9	-15	-	ò	ă	ii	15	19	24	24	15
24	0	-1	- 2	-2	-3	-5	- 10	-16	-	2	5	9	14	21	29	30	14
26 28	-1 -2	-3 -5	-5 -8	-6 -9	-6 -9	-7 -9	-12 -13	-18 -20	•	4 5	5 7	10	14 17	24 28	35 40	36 42	23 27
30	-2	-6	-10	-12	-11	-12	-15	-21	-	6	ý	13	21	32	44	46	30
32	-3	- 8	-13	-15	-14	-14	-17	-23	-	6	12	16	26	37	49	50	32
34	- 3	-9	-15	-17	-17	-16	-19	-25	-	5	15	24	33	43	53	53	34
36 38	-3 -3	-9 -10	-16 -18	-20 -22	-19 -22	-19 -22	-22 -26	-27 -31	-	4 2	18 21	31 39	41 49	49 54	57 60	54 56	35 35
40	-4	-11	-19	-24	-25	-26	-30	- 35	_	-1	24	46	57	63	63	56	35
42	-4	-11	-21	-26	-27	-29	- 35	-41	-	-4	26	52	66	69	67	57	34
44	-4 -4	-12 -13	-22 -24	-28 -30	-30 -32	-32 -35	-39 -44	-47 -53	•	-8 -12	27 28	58	73 80	75 80	69 72	5 <i>7</i> 57	33 32
46 48	-4	-13	-25	-32	-34	-33	-48	-53 -59	-	-12	29	63 67	85	84	73	57	32
50	-5	-15	-27	-34	-35	-40	-52	-64	-	-18	31	71	89	84	74	56	31
52	- 5	-16	-29	- 35	-37	-42	-55	-68	-	-19	33	75	91	87	73	55	31
54	- <b>6</b> - 7	-17 -19	-30 -32	-37 -38	- 38 - 38	-43 -43	-5 <i>7</i> -58	-70 -70	•	-18 -17	37 42	79 83	93 93	84	72 69	54 52	30 30
56 58	-8	-21	-34	-40	- 39	-43	-56	-69	-	-14	46	87	93	80	45	50	29
60	-8	-22	-36	-41	-39	-43	-58	-66	-	-10	54	91	93	76	61	48	29
62	-9	-24	-38	-42	- 39	-42	-56	-62	-	-6 -1	60	94 97	92 90	72 60	56 52	46 44	28 28
64 66	-10 -10	-25 -26	- 40 - 41	-44 -45	- 39 - 39	-41 -40	-54 -51	-58 -54	-	-3 -1	64 67	98	88	64	32 48	42	28 28
40	-11	-27	-43	-45	-39	- 38	-49	-51	_	-1	67	76	85	60	45	40	28
70	-11	-28	-44	- 46	- 38	- 35	-46	-49	-	-1	64	73	82	56	42	39	28
72	-11	-28	-44	-46	- 36	- 33	-43	-48	-	-3	60	88	<i>77</i> 71	52 47	39 37	38 37	28 27
74 76	-11 -10	-28 -27	-44 -42	-45 -43	-34 -32	- 29 - 25	- 40 - 36	-48 -49	-	-5 -6	54 47	81 74	65	43	34	36	27
78	- 9	-23	-40	-40	-27	-19	-31	-48	-	-6	42	66	58	30	31	34	26
80	- 9	-23	-36	- 35	- 21	-12	-23	-44	-	-4	39	61	53	34	26	32	25

では、これでは、10mmには

KM LAT=	LONGITUDE 180 DES -80 -70 -60 -50 -40 -30 -20	LONGITUBE 150 W -80 -70 -60 -50 -40 -30 -20	LONGITUDE 120 W -80 -70 -60 -50 -40 -30 -20	LONGITUDE 90 W -80 -70 -60 -50 -40 -30 -20DEG
APRIL				
18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 76 80	2 2 1 0 0 0 0 0 2 2 2 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 2 2 0 0 -1 0 0 0 0 0 1 1 -1 -2 -1 0 0 0 0 -1 -3 -4 -3 -1 0 0 0 -3 -4 -3 -2 -1 0 0 0 -2 -3 -2 -1 0 0 0 0 -2 -3 -2 -1 0 0 0 0 0 -2 -3 -2 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 -1 0 0 0 1 1 -1 -1 -1 0 0 0 0 -2 -2 -1 0 0 -1 -2 -3 -3 -1 0 0 -2 -3 -3 -1 0 0 -2 -3 -3 -1 0 0 -2 -3 -3 -2 -1 0 0 -2 -3 -2 -1 0 0 -2 -2 -1 0 0 0 -2 -2 -1 0 0 0 -2 -2 -1 1 0 0 0 -2 -2 -1 1 0 0 0 -1 -1 0 1 1 1 0 -1 0 0 1 2 1 0 0 1 1 2 2 1 0 1 1 1 2 2 1 0 1 2 1 1 1 1 0 2 2 1 1 1 1 0 2 2 1 1 1 0 0	0 0 -1 -1 0 0 0 0 0 0 -1 -1 -1 -1 0 0 0 0
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	2 3 3 1 1 0 0 0 2 3 3 2 1 0 0 0 0 0 0 0 0 0 0 1 1 1 1 0 0 0 1 1 1 1 2 2 2 1 0 0 0 0	2 2 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1	1 0 0 -1 -1 0 0 1 0 -1 -1 -1 0 0 1 0 -1 -2 -2 -1 -1 0 -2 -3 -3 -3 -2 -1 0 -2 -3 -3 -3 -2 -1 0 -2 -3 -3 -3 -2 -1 0 -2 -3 -3 -3 -2 -1 0 0 -1 -2 -1 -1 0 0 0 -1 -2 -1 -1 0 0 0 -2 -2 -1 -1 0 0 0 -2 -2 -1 0 1 1 0 -1 -1 0 1 2 2 1 0 0 0 1 2 2 1 1 1 1 1 1 1 1 1 2 2 1 1 0 0 2 2 2 2 1 1 0 0 2 2 2 2 1 1 0 0 2 2 2 2 1 1 0 0 2 3 3 1 1 -1 -1	0 -1 -2 -2 -1 0 0 0 -2 -3 -2 -2 0 0 -1 -3 -4 -3 -2 0 1 -2 -3 -4 -3 -1 0 1 -2 -2 -2 0 1 1 -2 -1 0 0 1 1 1 -1 -1 1 1 2 1 0 -1 -1 0 1 2 1 0 -1 -1 0 1 2 2 1 0 0 0 1 2 1 1 0 1 1 1 2 1 0 1 1 1 2 1 0 1 1 1 2 1 0 1 1 1 2 1 0 1 1 1 2 1 0 1 1 1 2 1 0 1 1 1 2 1 0 1 1 1 1 2 1 0 1 1 1 1 2 1 0 1 1 1 1 2 1 0 1 1 1 1 1 1 0 1 2 1 1 0 1 2 2 1 1 0 1 2 2 1 1 0 1 2 2 1 1 0 1 2 2 1 1 0 1 2 2 1 1 0 1 2 2 1 1 0 1 2 2 1 1 0 1 2 2 1 1 0 1 2 2 1 1 0 1 2 2 1 0 0 0 -1
18 20 24 28 32 36 40 44 48 52 56 66 68 72 76 80	1 2 1 1 0 0 0 0 1 2 2 2 1 1 0 0 0 0 1 2 1 0 0 0 0	1 2 1 0 0 -1 0 2 2 1 0 0 -1 0 1 1 0 0 -1 -1 0 -1 -1 -1 -1 -1 0 0 -1 -2 -2 -2 -1 0 0 -1 -2 -3 -3 -1 1 1 0 -2 -3 -3 -1 1 1 0 -2 -3 -3 -1 1 1 0 -2 -3 -3 -1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -2 -3 -3 -1 1 1 1 0 -1 -2 -1 0 2 3 2 0 0 1 1 2 2 2 1 1 1 1 1 1 1 0 2 2 2 1 1 0 -1 2 3 2 1 0 -1 -1	1 1 0 0 -1 0 0 1 1 0 0 -1 -1 0 0 0 -1 -1 0 0 0 -1 -1 -1 0 -1 -2 -1 -1 -1 0 0 0 -1 -2 -1 -1 0 0 0 -1 -2 -2 -1 1 0 0 0 -1 -2 -2 -1 1 0 0 -1 -2 -2 -1 1 0 0 -1 -2 -2 0 1 1 0 -1 -2 -2 0 2 1 0 -1 -2 -1 0 2 1 0 -1 -2 -1 0 2 1 0 0 -1 0 1 2 2 1 0 -1 0 1 2 2 1 0 -1 0 1 1 1 1 0 1 2 2 1 0 -1 1 2 2 1 0 -1 1 2 2 1 0 -1 1 3 2 1 -1 -2 0	0 0 -1 -1 0 0 1 0 0 -1 -1 0 0 1 -1 -1 -2 -1 -1 0 0 1 -1 -2 -2 -1 -1 0 0 -1 -1 -1 -1 0 0 0 -1 -1 0 0 0 0 -1 -1 0 0 0 0 -1 -1 -1 0 0 0 0 -1 -1 0 1 2 1 0 1 1 2 2 0 -1 1 1 2 1 0 -1 -1 1 1 2 1 0 -1 -1 1 1 1 0 -1 -1 1 1 1 0 -1 -1 0 1 1 0 -1 -1
JULY 18 20 24 28 32 34 40 44 48 52 56 66 46 47 77 80	3 4 3 3 2 1 0 3 4 3 2 2 1 0 1 1 0 0 0 0 0 -2 -3 -5 -5 -3 -2 -1 -2 -5 -8 -9 -7 -4 -2 -2 -5 -8 -10 -9 -5 -2 -1 -4 -6 -7 -6 -4 -1 -1 -3 -4 -4 -3 -2 -1 -1 -2 -4 -3 -2 -1 0 -2 -3 -3 -3 0 0 0 -2 -3 -3 -3 1 2 1 -2 -1 0 0 1 1 1 -1 -1 0 0 1 1 0 0 0 1 1 0 -1 0 0	3 3 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 1 -1 -1 -1 0 2 2 0 -1 -1 -1 0 -1 -2 -3 -3 -3 -1 0 -3 -5 -5 -5 -4 -2 0 -3 -5 -6 -6 -4 -2 0 -3 -4 -5 -4 -3 -1 0 -2 -3 -4 -2 0 0 0 -2 -3 -3 -1 1 1 0 -2 -3 -3 -1 1 1 1 -2 -2 -1 0 1 1 1 -2 -2 -1 0 1 2 2 1 -1 1 1 1 1 1 0 0 1 2 1 0 0 0 1 2 2 0 0 0 0 1 2 2 0 0 0 0	1 1 -1 -2 -2 -1 0 0 0 -1 -2 -2 -1 0 -1 -3 -3 -3 -3 -2 -1 0 -2 -4 -4 -3 -2 0 1 0 -2 -4 -3 -2 0 1 0 -2 -3 -2 0 1 1 0 -2 -2 -1 1 2 2 0 -2 -2 -1 1 2 2 0 -2 -2 -1 1 2 2 0 -2 -1 -1 1 2 1 1 -1 -1 1 2 2 2 1 -1 0 2 3 3 2 1 -1 1 2 4 3 2 1 0 1 2 3 2 1 0 0 2 2 2 2 0 0 1 2 1 0 0 0 0 1 1 1 -1 -1 0 0

c	MCM	101	ME	DĒ

KH LAT=	-80			DE 40		30 -	20	-80	LON! -70		DE 30 -50 -		30 -	20	-80 -			E 0		30 -	20	-00	LDM6 -70 -				30 -	20 <b>9</b> E6
APRIL	••	, ,	••		••																							
18 20 24 28 32 33 34 40 44 48 52 54 60 64 68 72 76 80	-1 -1 -1 0 0 0 0 -1 1 1 2 2 2 2	-1 -2 -2 -1 0 1 1 0 0 1 1 2 2 2	-1 -2 -2 -2 -7 0 4 1 1 1 1 2 3 2 2 1	-1 -1 -1 0 1 2 1 1 1 2 2 2 1	0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 0	0 0 0 0 1 1 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -2 -1 1 1 0 0 1 1 1 1 1	-2 -2 -2 -1 1 3 3 1 1 2 3 3 2 2 1 1	-1 -1 0 2 3 3 2 2 2 3 3 2 1 0	-1 -1 0 1 2 3 3 2 1 1 2 2 2 1 0 0 0 0 0 0 0 0 0 0	0 0 1 2 2 2 1 0 0 0 0 0 0 0 0	0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -2 -1 0 1 2 2 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0	-2 -2 -1 1 3 4 3 2 2 3 3 3 2 2 1 0 0 0	-1 -1 0 2 3 4 3 2 2 3 3 3 2 1 1 0 0	0 0 1 2 3 3 3 2 1 1 2 2 1 1 0 0 0	0 0 1 1 2 2 2 1 0 0 0 0 0	0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 1 2 2 2 2 2 1 1 0 0 -1 -1	-1 -1 0 1 3 4 3 2 2 3 3 2 1 1 0 -1 -1	0 0 1 3 4 4 3 2 2 3 2 2 1 0 0 -1 -1	1 1 2 3 3 3 2 1 1 1 1 0 0 0 -1 -1	0 0 1 1 2 1 1 0 0 0 0 0 0 0 0		0 0 0 0 0 -1 -1 -1 0 0
18 20 24 28 32 36 40 44 48 52 56 60 64 64 72 76	-1 -1 -1 -1 -1 0 0 0 0 1 1 1 1	-2 -3 -4 -2 0 1 1 1 1 1	-3 -4 -5 -4 -1 2 3 2 2 2 2 2 2 2 2 2 1 0 0	-3 -3 -2 0 2 3 2 2 2 2 3 3 2 1 1	-1 -1 -1 0 1 2 2 2 1 1 1 1 0 0 0 0 0 0 0 0 0 0	0 0 1 1 2 2 1 1 1 1 0 -1 -1 0 0	0 . 1 1 1 1 1 1 0 0 0 0 0 - 1 - 1 - 1 0 0 0 0	-1 -2 -1 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	-3 -3 -3 -1 2 3 3 2 2 2 2 2 1 1 0 0 0	-3 -4 -4 -2 1 4 4 3 3 3 3 3 3 2 0 0	-2 -2 -2 -1 1 3 3 2 2 3 3 3 2 1 0 -1	-1 -1 0 1 2 2 2 1 1 1 1 0 0 -1 -1 -1	0 0 1 1 2 2 1 1 1 0 -1 -1 -2 -1 0 0	0 0 1 1 1 1 1 0 0 -1 -1 -1 -1 0	-2 -2 -1 0 1 2 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0	-3 -3 -2 0 3 4 3 3 2 2 2 1 0 0 -1 -1	-2-2-0-2-4-4-3-3-3-3-2-1-0-1-2-	-1 -1 -1 0 1 2 2 2 2 2 2 2 1 0 -1 -1	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 0 0 0 0 -1 -2 -2 -1 0 0	0 0 1 1 1 1 0 0 -1 -1 -1 -1	-2 -2 -1 1 2 2 2 1 1 2 2 1 1 0 -1 -1	-2 -2 -1 1 2 3 3 2 2 3 2 2 1 0 -1 -2 -2	-1 -1 0 1 2 3 3 3 3 3 3 2 1 0 0 1 2 -1 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	0 0 1 1 1 1 1 1 2 1 1 0 -1 -1 -2 -2	0 1 1 1 0 0 0 0 0 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1
JUNE 18 20 24 28 32 34 40 44 48 52 56 69 64 68 72 76 80	0 0 -1 -1 0 0 0 0 1 2 2 2 2 1 1 1 0 0	1 1 2 2 2 2 2 1 1	-2 -2 -2 -1 0 1 1 2 2 2 2 2 2 1	2 2 1 1 0	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 0 0 0 0 -1 -2 -2 -2 -1 0 0	1 1 1 0 0 -1 -2 -2 -2 -1 0 1	0 -1 0 0 0 1 1 1 1 2 2 1	-2 -2 0 1 2 2 2 3 3 3 3 2	4 3 2	-2 -2 -1 0 2 3 3 2 2 2 2 2 2 2 1 0 0 0 0	-1 -1 0 1 2 2 2 1 0 0 0 -1 0 0	0 1 1 1 1 1 0 0 -1 -1 -3 -3 -3 -2 -1 0	1 1 1 1 1 0 0 0 -1 -1 -2 -3 -3 -2 0 1	-1 -1 0 1 1 1 1 1 1 1 1 0 0 0 0 0	-2 -2 -1 1 2 3 2 3 3 3 3 3 2 1 1 0 -1	-2 -2 -1 1 3 4 4 3 3 2 1 1 0 0	-2 -2 -1 1 3 4 4 2 2 2 2 1 1 0 0	-1 -1 0 1 3 4 4 3 3 1 0 -1 -1 -1 0 0 1 1 1	0 0 1 1 2 2 1 0 -1 -1 -2 -3 -2 -1 0 0 1	0 0 0 1 1 1 0 0 0 -1 -2 -2 -2 -2 0 0 1	-1 -1 0 1 1 1 1 1 1 0 0 0 0	-1 0 2 2 2 2 2 2 2 2 2 2 1 0 -1 -1 -1	-1 -1 2 3 3 3 3 3 3 2 1 0 0 -1	-1 -1 0 1 3 3 2 1 1 1 f 0 0 0 0 0 0 0	-1 -1 0 1 3 3 2 1 0 -1 -1 -2 -2 -1 0	-1 -1 0 1 2 2 1 0 0 -1 -1 -2 -2 -1 -1 0 0	0 0 0 1 1 1 0 0 -1 -1 -1 -1 -1
JULY 18 20 24 28 32 36 40 44 48 52 56 60 64 66 72 76	0 -1 -2 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	-2 -3 -2 -1 0 0 0 1 1 2 2 2 1	2 3 4 3 3 2 1 -1	-3 -3 -1 1 3 3 2 2 4 4 4 3 2 0	-2 -1 0 2 4 4 2 2 3 3 3 2 1	2 1 1 2 2 1 0 0	1 0 0 1 0 0 0		-3 -2	-4 -3 0 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-4 -3 0 4 6 5 4 4 4 3 2 1 0 -1 2 -2	5 4 3 2 3 2 1 0 -1 -1	1 1 5	1 1 1 6 0 0 0 0 -1 -1 -1 0	-1 -2 0 2 2 2 1 1 1 2 2 2 1 1 0 0 0	0 3 4 4 3 3 3 2 2 1 0 0 -1	7 6 5 4 3 2 0 -1 -2 -2 -3	1 6 8 7 5 4 3 I -1 -2 -3 -2 -2	3 3 2 0 -2 -3 -3 -2	-1 -1 0 1 2 3 2 1 1 0 -1 -2 -2 -2 -1	0 0 1 1 1 1 0 0 0 -1 -2 -1 -1 0 0	-2 -2 -2 -2 -2 -2 -2 -2 -2 -1 -1 -2 -2 -1 -1 -1 -2 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	-3 2 5 6 4 3 3 2 2 1 0 -1 -2	3 4 2 0 -1 -2 -2 -2	5 3 1 -1 -3 -4 -3	6 5 3 2 0 -2 -4 -4 -3 -2	-1 0 1 2 3 3 2 1 -1 2 3 3 2 1 -1 2 3 3 2 1 -1 2 3 3 2 1 -1 2 3 3 2 1 -1 2 3 3 3 2 1 -1 2 3 3 3 2 1 -1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	-1 -1 0 1 1 1 1 0 0 -1 -1 -1 -2 -1 0

•	44.5	-		PHE	
S	ПE	ш	. 31	79.2	R₽

(8) LAIR - 80 - 70 - 40 - 50 - 40 - 30 - 20	KM LAT= APRIL	= -80	LUM	61 T U	9E 6	0 E						TURE DE 7		ZOMA	L HEM	N TEMP		URE )						LOM	G I TU	BE 1	50 E	
20							- 30	-20	-80					-30	-20	-80						-20	-80	-70	-60	-50	-40	-30
	1. 20 24 28 32 36 40 44 48 52 56 60 64 68 72 72 80	-1 0 1 1 2 2 2 2 2 2 2 2 1 0 -1 -1 -1	0 1 2 3 3 2 2 1 0 0 -1 -1 -2	3 1 1 1 2 1 0 -1 -1 -1	2 2 1 0 1 1 0 -1 -1 -1 -1	0 1 1 0 0 0 0 0 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -1 -1 -1 -1	0 0 1 1 1 1 2 2 1 0 0 -1 -1	0 1 2 2 1 1 1 1 0 -2 -2 -2 -2 -2	2 3 2 1 0 0 1 0 -1 -2 -3 -2 -2	2 1 0 -1 0 0 0 -1 -2 -3 -2 -2	-1 -1 -2 -2 -1	0 0 0 0 0 -1 0 0 -1 -1 -1 -1	0 0 0 0 0 0 0 -1 -1 -1	1 1 0 0 0 0 1 0 0 -1 -1 -2 -2	1 1 1 0 0 0 0 0 -1 -2 -3 -3 -2 -2	1 2 1 0 0 -1 0 -1 -2 -3 -3 -3 -2 -2	1 1 0 -1 -1 -1 -2 -3 -3 -2 -2 -1	0 0 0 -1 -1 -1 -1 -1 -2 -2 -1 -1 0	0 0 0 -1 -1 -1 -1 -1 0 0	000000000000000000000000000000000000000	2 2 1 -1 -1 -1 -2 -2 -1 -1	-2 -2 -1 -1 -2 -2 -3 -2 -2 -1 -1	1 0 -1 -2 -1 -2 -3 -3 -2 -1 -1 0	0 0 -1 -2 -2 -1 -1 -2 -3 -3 -2 -1 -1 0	0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 1 1 0 0 0 0 0 0
-1 -1 0 0 0 0 -1 -1 -1 0 1 2 1 0 -1 0 1 2 2 2 1 0 1 1 1 2 1 1 1 1 1 0 0 0 0	18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 72 76	-1 -1 1 2 2 2 1 2 2 2 1 1 0 -1 -2	0 0 1 2 2 2 2 2 2 2 2 2 2 2 1 0 1 1 2 2 2 2	1 1 1 1 1 1 0 -1 -1 -2 -2	1 0 0 1 1 0 -1 -1 -2 -2 -1	1 1 0 0 0 0 0 0 -7 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 2 2 1 1 1 2 1 0 -t	1 2 2 1 0 0 1 1 1 0 0 -1 -2 -2	2 3 1 0 -1 0 0 -1 -2 -2 -2 -2	2 2 1 0 -1 0 0 -1 -2 -2 -2 -2 -1 -1	-1 -1 -1 0	00000011000000	-1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 0 0 1 1 1 0 0 -1	3 3 2 1 -1 -1 -1 -1 -1 -1 -1 -1	3 4 3 1 -1 -2 -2 -2 -2 -2 -2 -2 -2 -1 -1	-1 -1 -2 -3 -3 -2 -1 -1	0 0 -1 -1 -1 -1 -1 0 0	000000000000000	0 -1 -f -1 -1 0 0 0 0 1 0	2 2 1 0 -1 -1 0 0 0 0 0	4 4 2 0 -2 -2 -2 -2 -2 -1 -1	4 4 4 1 -2 -3 -3 -3 -3 -3 -2 -2 -1 0	2 3 2 1 -1 -2 -2 -2 -2 -3 -1 0	-1 -1 -1 -1 -1 -1 -1 -1	0 0 0 -1 -1 -1 -1 0 0 1 1 1
UL I	0 0 4 8 2 6 0 0 4 8 2 6 0 9 4 8 2 6 0 9 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 1 1 1 1 1 1 0 0 0 -1 -1	2 1 1 2 2 2 1 1 0 -1 -1	2 1 1 1 0 0 -1 -1 -1	2 1 0 0 0 0 -1 -1 -1 -1	0 1 1 1 0 0 0 0 -1 -2 -2 -1 -1	0 0 0 0 0 0 0 0 -1 -1 -1 -1	-1 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 0 1 1 1 1 1 0 0 0 -1 -1 -1	1 1 0 0 0 0 0 0 0 -1 -1 -2 -2	2 1 0 -f -1 0 0 -1 -1 -2 -2 -2 -2	2 1 0 -2 -1 -1 -1 -1 -2 -2 -1 -1	-1 -2 -2 -1 -1 0 -1 -1 -1 -1 -1	0 0 -1 -1 -1 -1 0 0 0 0	-1 -1 -1 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 -1 -1 -1 -1 -1	-1 -1 -1 -1 -2 -2 -2 -2 -1 -1	2 2 1 -1 -2 -2 -2 -3 -3 -2 -2 -2 -2 -2 -1	2 0 -2 -3 -2 -2 -2 -2 -2 -1 -1	2 1 0 -2 -3 -3 -2 -1 -1 -1 0 0 0	-1 -2 -2 -2 -1 0 0 1 1	0 -1 -1 -1 -1 0 0 0 1 2 2 2 1	-1 -1 -1 -1 -1 -2 -2 -2 -1 -1	2 0 -1 -1 -2 -2 -3 -3 -3 -1 -1 0	2 1 0 -2 -3 -2 -3 -3 -3 -1 -1 0	-2 -3 -3 -2 -2 -3 -2 -2 -1 -1 0	-2 -2 -1 -1 0 1 1	-1 -1 0 0 1 3

e	MEM	ICPHERE	

KM LAT=	-80		111UE - 60 -				20	-80		317UI -60 -			30 -	20	-80 -			E 12		30 -	20	-80 -	LON6 70 -				30 -	20 <b>3</b> E8
AUGUST																												
18 20 24 28 32 34 40 44 48 55 55 56 60 64 68 72 76 80	3 5 2 0 -1 -2 -2 -3 -3 -3 -2 -1 1 2 2 2 2 2 2	7 9 5 -1 -4 -5 -5 -4 -4 -3 -2 -1 0 1 2 2 3	7 9 6 -1 -6 -9 -9 -6 -5 -4 -3 -1 0 1 2 2 2	5 6 5 1 -5 -8 -9 -6 -3 -1 -1 0 0 0	3 3 2 0 -3 -5 -6 -4 -1 0 1 1 0 0 0	1 1 0 -2 -3 -3 -2 -1 0 1 2 1 1 0 -1	0 0 0 0 -1 -1 -1 -1 0 0 1 2 1	3 4 -1 -2 -3 -3 -3 -2 -1 1 3 3 4 3 3	5 0 -5 -6 -5 -4 -3 -1 0 2 3 4 4 4	3 3 -1 -6 -8 -6 -4 -2 -1 0 2 3 4 4 3 3	0 0 -2 -5 -7 -7 -5 -2 0 1 2 2 2 2 2 2 2 2	0 -1 -2 -4 -5 -5 -4 -1 1 2 2 1 1 1	0 0 -1 -2 -3 -3 -2 0 1 1 1 1 1	0 0 0 0 -1 -1 -1 0 0 1 1 1 1	2 2 2 -3 -3 -3 -3 -2 -1 1 3 4 4 4 4 4 3 3	2 0 -5 -6 -6 -5 -4 -3 -1 1 4 6 7 6 6 5 4	-2 -4 -8 -8 -6 -4 -2 0 1 3 5 6 6 6 5 4 3	-6 -8	-3 -4 -5 -5 -4 -2 1 3 3 4 4 3 3 3 2	-1 -2 -2 -2 -2 -1 1 2 2 2 2 1 1 1 2 2 2 2	0 0 0 0 0 0 1 1 1 1 1	1 -1 -4 -3 -2 -1 -1 1 2 4 4 5 4 3 2 7	-4 -7 5	-7 -9 -6	-6 -7 -8 -6 -1 3 5 5 6 7 7 6 5 3 2 1	-4 -4	-1 -2 -2 -1 0 2 3 3 3 2 2 1 0 1 1 2 2	0 0 0 0 1 1 1 1 1 0 -1 -1 0
SEPTEMB	ER																						_					
18 20 24 22 32 34 40 44 48 57 56 60 64 48 8 77 77	4 4 -2 -4 -4 -4 -3 -3 -3 -2 0 0	4 3 -3 -6 -7 -7 -5 -4 -3 -5 -6 -5 -3 -1 0 1 2	0 -1 -4 -6 -7 -6 -4 -3 -3 -4 -6 -4 -2 -1 1 1	-1 -2 -3 -4 -5 -4 -3 -2 -2 -3 -4 -3 -1 0 1	-1 -1 -2 -3 -3 -3 -2 -1 -1 -2 -2 -1 0 0	0 0 -1 -1 -1 -1 0 0 0 0 0 1 1 1 0 0 0	000000000000000000000000000000000000000	3 1 -5 -6 -5 -4 -3 -2 -1 -1 0 1 2 2 2 2	1 -1 -7 -8 -8 -7 -5 -3 -2 -2 -2 2 2	-3 -4 -8 -9 -7 -5 -3 -1 -1 -2 -2 -1 0 1 1 2 2	-4-5-6-7-7-53-1-0-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	-2 -3 -4 -3 -2 0 1 0 0 -1 0 0	-1 -1 -1 -1 0 1 1 0 0 0 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 -2 -7 -6 -5 -4 -2 0 1 1 3 4 4 3 3	-2 -5 -9 -7 -5 -3 -1 1 1 2 3 3 3	-6 -8 -10 -9 -6 -2 0 1 2 2 2 3 3 3 3	-5 -7 -8 -7 -1 2 2 2 2 2 2 2 2 1 0 0	-3 -4 -4 -2 0 2 2 1 1 1 1 1 1	-1 -1 -1 0 1 1 2 2 1 1 1 1 1 1	0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -5 -7 -4 -3 -2 0 2 3 4 5 5 4 3 2 2	-9 -	-8 -10 -11 -7 -2 1 4 4 5 5 6 6 5 3 2 1	-6 -7 -8 -6 -2 2 4 4 3 4 5 5 4 2 1 1 0	-3 -4 -2 0 2 3 3 2 2 2 2 1 1	-1 -1 0 1 2 2 2 1 1 1 0 0 0 1 0 0 0 0 0 0 0	0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0
OCTOBER																											_	
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	4 1 1 -2 -3 -2 -3 -3 -3 -1 0 1	3 0 -3 -4 -5 -4 -5 -5 -4 -2 -1 1	4 4 3 1 -3 -5 -6 -6 -5 -5 -7 -2 0 1 1	2 2 2 0 -2 -4 -5 -4 -4 -2 0 1 1	1 1 0 -2 -2 -3 -3 -2 -1 0 1 1 1	0 0 0 0 -1 -1 -1 -1 0 0 1 1 2 1 1 0 0	0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1	2 1 -1 -3 -2 -2 -2 -2 -2 -1 0 1 2 2		1 0 -1 -2 -3 -3 -3 -3 -2 0 1 2 2 2 2	0 -1 -2 -2 -3 -2 -1 1 2 2 1 1 0	-1 -1 -1 -2 -2 -2 -2 -1 -1 0 1 1 1	0 -1 -1 -1 -1 0 0 0 1 1 1 1 1 1 1 1	000000000000000000000000000000000000000	0 -2 -4 -3 -2 -1 -1 -1 -1 -1 0 1 2 2	-2 -3 -5 -4 -3 -1 0 0 0 -1 0 1 1 2 2	-3 -3 -5 -4 -3 -1 0 0 0 0 1 2 2 2 2	-2 -3 -3 -3 -1 0 0 0 1 2 2 2 1	-1 -2 -2 -2 -2 -1 0 0 0 1 2 2 1 1 0 0	-1 -1 -1 -1 0 0 0 1 1 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -4 -3 -2 -1 0 0 0 1 1 1 1 0 0	-4 -6 -7 -5 -2 0 1 2 2 2 2 1 1 1 1 1 1 1	-5 -6 7 -5 - 0 2 2 2 2 3 2 2 2 1 1 1	-3 -4 -5 -4 -2 0 1 2 2 2 3 3 7 1 0 0	-1 -2 -2 -7 0 1 1 2 2 2 1 1 0 0 0	0 0 0 0 0 1 1 1 1 0 0 0 0 -1 1 -1	0 0 1 1 1 0 0 0 0 0 -T
HOVEHBE	R															_						-2	-5	-5	-3	-1	0	1
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72	2 2 1 -1 -3 -4 -4 -3 -1 0 0	3 1 -1 -4 -5 -5 -4 -1 -1 -1 0 0 0 0 0 0 0 0 0 0 0	1 0 -2 -4 -4 -3 -2 -1 -1 0 t	0 0 -1 -2 -3 -2 -2 -1 0 0 0 1 1	1 1 0	0		1 1 0 -1 -2 -2 -2 -1 0 0 0 0	0 -1 -2 -2 -2 -1 -1 0 0	-2 -2 -2 -1 -1 0 0 0 1 1 1	-1 -2 -2 -2 -2 -1 0 0 0 0 1 1 1 1 1 1 1 0 0	-1 -1 0 0 1 1 0 0 0 1 1 1	000000000000000000000000000000000000000	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 -1 0 0 0 0 0 0 0 0	1 1 1 1	1 1 1 1 1 1 1	-3 -3 -3 -2 0 2 2 2 2 1 1 1 1 0 0	-1 -1 -1 -1 0 1 1 1 0 0 0 0 0		1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-3 -2 -1 1 2 2 2 1 1 1 1	-5 -5 -2 1 3 4 4 3 2 1 1 1 1 1 1 1 1	-5 -5 -2 1 4 5 4 3 2 1 1	-4 -3 -1 1 3 4 3 2 1 1 1 0 0	-1 -1 0 1 1 1 1 0 0 -1 -1 -1 0 0		000000000000000000000000000000000000000

c	ME	<b>4</b> 1	60	uE	96

KM LAT=		LO#6				30 -	20	-80 -	LONG 70 -				30 -	20	-80 -	LONG 70 -				30 -	20	-80 -		ITUD( 60 -			10 -2	OBEG
AUGUST																												
18 20 24 28 32 33 44 40 44 48 52 36 60 64 68 72 76 80	0 -2 -3 -1 -1 0 1 2 3 3 4 3 2 1	-3 -5 -5 -2 0 1 1 2 3 5 6 4 5 4 2 1 0	-5 -6 -5 -1 2 3 4 4 5 7 8 7 5 3 1 -1 -1	-4 -4 -3 -1 3 5 5 4 3 4 6 5 4 3 1 0 -1	-2 -2 -1 1 3 4 4 3 2 2 2 2 2 2 1 0 0	0 0 1 2 2 2 1 1 1 0 -1 -1 0	0 0 1 1 1 1 0 1 1 0 -1 -2 -1 0 0	-1 -3 -1 0 0 0 1 2 3 3 2 1 1 0 -1	-4	-3 -3 -1 2 4 4 3 3 3 4 4 4 3 1 -1 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	0 0 1 3 4 4 3 2 1 1 1 0 0 -1 -2 -2	1 1 2 3 4 3 1 0 -1 -1 -2 -2 -2 -2 -2 -2	1 1 2 2 2 1 0 -1 -1 -1 -2 -2 -3 -2 -1 -1	1 1 1 1 0 0 -1 0 -1 -1 -2 -2 -2	-2 -3 0 1 1 1 2 3 3 2 0 -1 -2 -2 -2 -2		-3 -3	0 -1 -3 -4 -4 -4 -3 -2	-1 -2 -3 -4 -5 -5 -4 -2 -2	-2 -2 -2 -3 -4 -3 -2 -2 -1	1 1 1 0 0 -1 -1 -1 -2 -2 -2 -2 -1 -1 -1	-3 1 2 2 2 3 3 2 0 -2 -3 -4 -4 -4	-4 1 3 4 4 4 4 2 0 -2 -4 -5 -5 -5	-3 0 3 5 5 4 3 1 -2 -4 -5 -4 -5 -4 -3	-4 -6 -6 -5	-1 -3 -5 -6 -4 -3	-2 -3 -3 -2 -1 -1	0 0 0 0 0 0 0 0 0 0 0 1 1 2 2 2 2 1 1 1 1
SEPTEMB											,			•		4	-1	٥	٥	0	۰	-3	1	5	4	2	1	0
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80		-8 -10 -8 -3 0 2 3 4 6 7 8 7 6 4 2 1 0	-9 -10 -9 -4 2 5 6 6 6 7 8 7 5 3 2	-6 -6 -3 1 4 6 5 4 5 4 3 2 1 0	-3 -2 -1 2 3 4 3 2 2 2 1 1	-1 -1 0 1 2 2 2 2 1 1 1 0 0 0 0 0	0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 0 0	-4 -5 -1 1 2 2 2 3 4 4 5 4 3 2 1 0 -1	-7 -8 -3 2 4 5 6 5 6 7 8 7 5 1 -1 -1	-6 -7 -4 1 5 7 7 6 6 6 6 8 6 4 2 1 0 -1	-3 -3 -2 0 3 5 6 4 4 4 5 7 0 0 0	-1 -1 -1 1 3 4 4 3 2 2 2 1 1 1 0 0	0 0 0 1 2 2 2 1 1 1 0 0 -1 -1 0 0 0	0 0 0 0 0 0 0 0 0 -1 -1 -1	-4 -3 3 4 4 4 4 3 3 3 3 4 2 1 0 -1 -2 -2	-4 -2 3 6 7 7 6 4 4 5 6 4 2 0 -1 -2 -2	-1 0 3 5 7 6 5 3 3 4 5 3 2 0 -1 -1	0 1 2 4 5 5 4 2 2 2 2 3 2 1 0 0 -1 -1	0 1 1 2 3 3 2 2 1 1 1 0 0 -1 -1 0 0	0 0 1 1 1 1 1 0 0 1 1 1 0 0 0 -1 -1 -1 0	0 0 0 0 0 0 0 0 -1 0 0 -1 -1 -1 -1	-3 0 6 6 6 5 4 2 2 2 2 0 -1 -2 -2 -2	4 9 9 8 7 5 2 1 1 2 1 0 2 2 3 -2 2 3 -2 2 2 2 2 2 2 2 2 2 2 2 2	3799742000101-1-2-2-2	5775310000-1-1-2-1-1	3 3 3 3 1 0 0 0 1 0 -1 -1 -1 -1	1 1 0 0 -1 -1 0 0 0 0 -1 -1 -1 -1 -1	0 0 0 -1 -1 -1 -1 0 0 0
OCTOBER																												
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 74 80	-3 -4 -4 -2 -1 0 1 1 2 2 2 2 1 1 0 -1	-7 -6 -3 -1 1 2 3 4 4 4 2 1	-6 -7 -7 -5 -1 2 3 4 5 5 4 3 1 0 0 0 -1	3 2 1 0 0		0 0 0 1 1 1 1 1 0 0 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-3 -4 -2 0 1 1 1 2 2 3 3 2 1 0 0	5 3 1 0 -1 -1	-6 -6 -3 1 4 5 5 6 6 6 5 2 0 -1 -1 -1 -1	-3 -4 -2 1 3 4 5 5 4 3 1 0 -1 -1	2 1 0 -1 -1	1 1 0 -1 -1 -1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-3 -3 0 2 2 2 2 2 2 2 3 3 2 1 0 0 0	4 3 1 0 -1	-4 -4 -3 1 4 6 6 6 6 6 7 7 -1 -2 -1	-2 -2 -2 0 3 5 5 5 5 4 4 2 0 -1 -1 -1 0	-1 -1 -1 1 2 3 3 3 2 1 0 -1 -1 -1 0 0 1	0 0 0 1 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1	0 0 0 0 0 0 0 0 0 0 1 -1	-2 -2 1 3 3 3 2 2 2 2 2 1 0 0 -1 -1	-3 -2 1 4 5 5 5 4 3 3 3 2 0 -1 -2 -2	-2 -1 1 3 5 6 6 5 4 3 2 1 -1 -1 -1	-1 -1 0 2 4 5 4 4 3 2 0 -1 -2 -2 -1 0 0	-1 -1 0 1 2 3 3 2 1 0 -1 -2 -2 -1 0 1	0 0 0 1 1 1 0 0 0 -1 -1 0 0 1 1	000000000000000000000000000000000000000
MOVENBI								_			. 1	0	. 0	0	- 2	-2	-1	٥	0	0	0	-1	0	1	,	0	0	0
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 72 76		i -6 ? -4 ) -1 ? 3	-5 -4 -1 3 6 6 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-4	0 0 1 1 1 1 1 1 1 0 0 -1 -1 -1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	-3 -3 -2 1 3 4 4 3 2 1 1 1 0 0	-4 -3 1 4 5 5 5 5 3 2 2 1 1 1 1 0 0 0 0 0 0 0 0 0	5 4 3 0 0 0 1 -1 1 -1	0 2 3 3 3 1 2 1 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-2 -1 1 3 3 3 3 3 3 1 6 6 6 6 6 6 6 6 6 6 6	-2 0 2 4 4 5 5 4 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 0 2 4 4 4 3 3 2 1 0 0 0 1 -1 1 -1 6	0 1 1 2 2 2 1 0 0 0 -1 -1 -1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	-1 0 1 2 2 2 2 2 1 1 1 0 0 0 0 0 0 0 0 0	3 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 2 2 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

•	ME	<b>M</b> 1	RP	MF	95

KH LAT=	-80		1111 - 06			-30 -	- 20	-80		1 TUE			-30 -	- 20	-80 -			DE 12		30 -	20	-80 -	LONE 70				30 -	20BE6
AUGUST																												
18 20 24 28 32 36 40 44 48 52 55 66 64 68 72 76 80	-2 -3 1 2 2 2 2 2 1 -1 -3 -4 -5 -4 -3 -2	-4 -4 1 4 5 5 4 3 0 -2 -4 -5 -5 -5 -4 -3 -2	-3 -3 0 3 5 6 5 3 0 -3 -5 -5 -5 -4 -2 -1 0	-2 -2 -1 0 2 3 4 2 0 -3 -5 -5 -4 -2 -1 0	-1 -1 -1 0 1 2 1 0 -2 -4 -3 -2 -1 0	-1 -1 -1 -1 0 1 1 1 0 -1 -2 -1 0 0 0 1	-1 -1 -1 0 0 1 0 0 -1 -1 0 0 0	-2 -1 2 2 2 2 2 2 1 0 -2 -3 -4 -4 -4 -3 -2 -2	-2 -2 2 4 4 4 3 1 -1 -3 -4 -4 -4 -3 -2 -1 -1	0 0 3 4 5 4 3 1 -1 -3 -4 -5 -4 -3 -2 -1 0	0 0 1 2 3 3 3 1 -1 -2 -3 -3 -2 -1 -1 0 0	-1 -1 0 0 1 2 3 1 0 -1 -1 0 1 1 1 0 0	-1 -1 -1 0 0 1 2 1 0 0 0 1 2 1	-1 -1 -1 -1 -1 0 1 1 0 0 1 1 1 0 0 0 0 1 0 0 0 0	0 1 3 2 2 2 2 1 -1 -2 -3 -3 -3 -2 -2 -1	1 3 5 4 3 2 0 -1 -3 -4 -4 -3 -2 -1 0 0	4 6 7 5 2 0 -1 -2 -3 -4 -4 -3 -2 -1 0 0	4 5 6 5 3 0 -2 -2 -2 -2 -1 -1 -1 -1 -1 -1	2 2 3 3 2 1 0 -1 -2 -1 1 2 2 1 0 -1 -1 -1	6 0 0 1 1 1 1 0 0 0 1 2 2 1 0 -1 -1 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	-1 -1 -1 0 0 0 0 0 0 0 1 2 2 2 1 0 0 -1	1 4 3 1 1 0 -1 -2 -3 -3 -2 -1 0 0	5 8 6 2 -1 -2 -3 -4 -4 -4 -3 -2 -1 0 1 1	8 10 9 4 -2 -5 -7 -6 -5 -4 -4 -3 -2 -1 0 0	7 8 8 5 0 -5 -7 -6 -4 -2 -1 -1 -1 -1 -1	4 4 4 3 0 -2 -4 -2 -1 1 1 0 -1 -2 -2	1 2 1 1 0 -1 -2 -2 -1 0 2 2 2 1 -1 -1 -2	0 0 0 0 0 -1 -1 -1 0 1 2 2 2 f
SEPTEMB	ER																											
18 20 24 28 32 34 40 44 48 52 56 40 64 68 72 76	-1 3 7 6 6 5 4 1 0 -1 -1 -2 -3 -3 -3 -2 -1	- 3 - 3 - 2	9 11 13 10 6 2 -2 -3 -3 -3 -3 -3 -2 -2 -2 -2	7 B 9 0 4 0 -3 -3 -2 -2 -2 -2 -2 -2 -2 -2 -2	3 4 4 4 2 0 -2 -2 -1 -1 -1 -1 -1 -1	1 1 1 0 -t -2 -1 -1 0 0 0 -1 -1 -1	0 · 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 5 6 5 4 3 2 0 -2 -3 -3 -4 -4 -3 -2 -2	6 9 10 7 4 2 0 -2 -4 -5 -5 -5 -4 -3 -2 -1	10 12 13 9 3 -1 -4 -5 -5 -5 -5 -5 -4 -3 -2 -1 -1	7 8 9 7 3 -2 -5 -4 -3 -3 -2 -1 -1	4 4 4 3 0 -2 -4 -3 -2 -1 -1 -1 -1 -1	1 2 1 0 -1 -2 -2 -2 -1 -1 -1 -1 0 0 0	0 0 0 -1 -1 -1 -1 -1 -1 0 0 0	3 5 4 2 1 7 0 -1 -3 -4 -5 -5 -4 -3 -2 -1 0	68731123467653210	7 8 8 4 0 3 5 5 5 6 7 6 5 7 6 0 0	5 6 4 0 -4 -5 -4 -4 -3 -2 0 0	3 3 3 1 -1 3 -4 -4 -3 -3 -2 -2 -1 0 0 0	1 1 1 0 -2 -2 -2 -2 -1 -1 -1 0 0 0	0 0 0 1 -1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 1 -1 -2 -2 -2 -3 -4 -5 -4 -2 -1 0	5 5 2 2 - 4 4 - 4 4 - 4 - 6 - 7 - 5 - 3 - 1 0 1	4 4 2 1 - 4 5 - 5 - 4 4 - 5 7 - 6 4 - 2 0 1 1	221-13-5-43-42-1011	1 1 0 -1 -3 -3 -3 -2 -3 -2 -1 0 0	0 0 0 -1 -2 -2 -2 -1 -1 -1 -1 0 0	0 0 0 -1 -1 0 0 0 0 0 0 0 0 0
OCTOBER	l l																											
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 74 80	-11 00 22 33 33 33 22 24 11 11 11 (C) -11 -11 -11 -11 -11 -11 -11 -11 -11 -1	4 4 4 3 2 1 1 1 0 -1 -1 -2 -2	2 2 4 5 5 4 3 2 1 0 0 -1 -1 -1 -1	1 2 3 4 4 3 2 1 0 0 0 -1 -2 -2 -1 0 0	0 1 1 2 2 2 2 1 1 0 -1 -1 -2 -1 -1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 -1 -1 -1 0 0 0	1 2 3 3 2 1 0 0 0 0 -1 -1 -2 -2 -1 -1	-1 -2 -2 -2 -2 -2	5 6 7 5 2 0 -2 -3 -3 -3 -3 -2 -1 -1 -1 -1	4 4 5 4 2 0 -2 -2 -2 -2 -2 -2 -1 -1 0 0	2 2 2 2 1 0 -1 -1 -2 -2 -2 -1 -1 0 0	1 1 1 0 0 0 -1 -1 -1 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 -1 -1 0 0 1 0	4 5 4 2 0 -1 -1 -2 -2 -2 -2 -2 -1 -1 -1	7 8 7 3 -1 -3 -5 -4 -4 -4 -4 -3 -2 -1 0 0	7 8 7 4 -1 -4 -6 -5 -5 -4 -3 -2 -1 -1 -1	5 5 5 4 0 -3 -5 -5 -4 -4 -3 -2 -1 0 0	3 3 3 2 0 -2 -3 -3 -3 -2 -1 0 0 0 -1 -1	1 1 0 0 0 -1 -1 -1 -1 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 3 1 -1 -2 -2 -2 -2 -2 -2 -1 -1 0 0	7 8 6 1 -2 -5 -6 -5 -5 -3 -1 0 1	6 7 6 2 -2 -6 -8 -7 -6 -5 -3 -1 0 0	4 4 4 2 -1 -4 -6 -5 -5 -4 -3 -1 0 0 0	2 2 2 1 -1 -3 -3 -3 -3 -2 -1 0 0 0 -1	1 1 0 0 -1 -1 -1 -1 0 1 1 1 0 0	0 0 0 0 0 0 0 0 1 1 1 7 0 0
HOVEMBI	ER												_			_						3	4	3	2	1		0
18 20 24 28 32 36 40 44 48 52 36 60 60 60 60 60 60 60 60 60 60 60 60 60		3 3 3 3 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 5 3 1 0 -1 -2 -1 0 0	3 3 4 2 1 -1 -2 -1 -1 0 0 0 0	1 0 -1 -1 0 0 0 0	0 0 0 0 0 0 0 0	0 1 1	2 2 2 1 0 -1 -2 -2 -1 -1 0 -1 -1	5 4 1 -1 -3 -4 -2 -1 -1 -1 -1 -1 -1	5 6 5 2 -1 -3 -4 -4 -2 -1 -1 -1 0 0	-3 -3 -2 -1 0 0 0	0	0 0 0 0 -1	0 0 0 0 0 0 0 0 0	3 3 2 0 -2 -3 -3 -3 -2 -1 0 -1 0 0	-6 -5 -3 -2 -1 -1 -1 -1	5 5 4 1 -3 -6 -5 -3 -2 -1 -1 -1 -1 -1	3 3 0 -2 -4 -3 -2 -1 -1 0 0 0	1 1 0 -1 -2 -2 -1 -1 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0		3 2 0 -3 -4 -4 -3 -2 -1 0 0 0	5 3 -1 -4 -6 -7 -6 -3 -2 -1 -1 -1 -1	-1 -4 -6 -5 -3 -2 -1 -1 0 0 0	2 f -1 -3 -4 -4 -3 -2 -1 -1 0 0	1 0 0 -1 -1 -1 -1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

*	HF	m ?	SP	KF	RŦ

KR LAT=	20			€ 18 50			80	20	LONE			50 W	70	80	20			B€ 13 50		70	80	20			DE 90 50		70	80DEG
SEPTEMBER		•																										
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	000000000000000000000000000000000000000		000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -1 -1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 1 1 0 0 0 0	0 -1 -1 0 0 0 0 1 1 0 0 0 -1 -1	0 0 -1 -1 -1 -1 0 0 0 1 0 0	0 0 0 0 -1 -1 -1 0 0 0 0 1 1 1 1	0 0 0 0 0 -1 -1 -1 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	-1 -1 -1 0 0 0 0 0 0 0 1 1 1 0 0 -1 -1	0 0 0 0 0 0 0 0 1 1 1 0 0 0 - 1 - 1	0 0 0 0 0 -1 -1 0 0 0 0	0 1 1 0 0 0 -1 -1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 1 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1	1 1 1 1 0 0 0 0 0 0 1 1 1 0 0 0 1 1 1 1	1 1 1 0 0 0 -1 -1 0 0 0 0 -1 -1 -1 -1	1 1 1 1 0 0 -1 0 0 0 0 0 0 0 0 0 0 0 0 0
OCTOBER	0	0	0	2	3	3	,	٥	٥	0	1	3	3	2	0	٥	0	0	2	2	2	0	0	0	0	1	2	1
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	0 0 0 0 0 0 0 0 0 0	0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 1 1 2 2 2 2 1 1 1 1 1 1 1	2 3 3 2 0 -2 -2 -2 -2 -2 -2 -2 -1 0 0 1	3 4 5 6 5 3 0 -2 -3 -4 -3 -2 -1 0 1 1	4 6 7 7 5 1 -3 -4 -4 -4 -3 -1 0 0	2 3 4 5 3 1 -1 -2 -2 -2 -1 -1 -1 -1	000000000000000000000000000000000000000	0 0 -1 -1 -1 -1 -1 -1 -1 -1 0 0	0 -1 -2 -3 -2 -2 -1 -1 -1 -1 1	1 1 0 -2 -3 -4 -3 -3 -3 -2 -1 -1 0 1	3 3 2 0 -3 -4 -4 -3 -3 -2 -1 0 1	4 4 4 2 -1 -4 -5 -4 -2 0 1 2 2 2	2 3 3 2 0 -2 -3 -3 -2 -1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -1 -1 -1 0 0 -1 -1 0 1 1 2 2	0 -1 -2 -3 -3 -2 -2 -2 -1 -1 0 1	0 -1 -3 -5 -5 -4 -3 -1 0 1	2 1 -2 -5 -7 -6 -4 -3 -2 -1 0 t	3 2 0 3 6 6 - 5 4 - 2 0 2 3 3 3 3 2 2	2 2 0 -1 -3 -3 -3 -3 -2 -1 0 1 2 2	0 0 0 0 1 1	000000000000000000000000000000000000000	0 -1 -2 -2 -2 -1 -1 -1 0 1 1 1 1 1	9 -2 -4 -6 -6 -5 -3 -2 0 1 2 2 2 1 1	1-4-8-7-4-3-2122211	10-37-8-7-4-3-12-34-33-22-2	1 0 -2 -4 -5 -4 -2 -2 0 1 1 2 2 3 3
HOVERBER																												
18 20 24 28 32 36 40 48 52 56 60 44 68 72 72	0 0 -1 -2 -2 -2 -1 -1 0 1 1 2 1 0 -1	-2 -1 -1 0 1 2 2 1 0	1 1 1 0 -1 -2 -2 -2 -2 -2 -1 0 1 0 -1	5 6 4 0 -3 -3 -2 -2 -3 -3 -3 -2 -2 -1	6 8 11 11 9 4 -1 -3 -2 -2 -4 -6 -7 -6 -5 -3 -3	5 7 10 11 9 5 0 -2 -2 -4 -5 -5 -5 -4 -4 -3	3 4 6 6 6 3 0 -2 -2 -3 -3 -3 -3 -2 -2 -1	1 0 0 -1 -2 -2 -1 -1 0 0 1 1 1	0 -1 -2 -2 -3 -2 -1 -1 0 0 1 2 2 1 1	0 -1 -1 -2 -3 -2 -1 -1 -1 0 1 1 1 0 0	3 3 3 1 -1 -2 -2 -2 -3 -4 -4 -3 -2 -1 0 1	-4 -4 -5 -6 -7 -6 -4 -3 -1	-7 -6 -4 -3 -2	-4 -3 -3 -2	1 1 0 0 -1 -1 -1 0 0 0 0 1 1 1	1 1 1	-2 -3 -3 -2 0 0 -1 -1 0	0 -1 -2 -2 -1 -1 -2 -3 -4 -3 -2 0 1	3 4 4 3 0 -3 -4 -4 -6 -7 -5 -4 -2 0 1 2	0	4 5 6 9 0 -3 -4 -4 -4 -3 -2 -2 -1 0	011000000000000000000000000000000000000	0 0 0 -1 -1 -1 0 0 0 0 1 1 1 1 1	-1 -1 -2 -3 -3 -2 0 0 0 -1 0 1 1 1	-1 -1 -2 -3 -3 -3 -2 -1 -2 -4 -3 -1 0 1 2 2	1 1 1 -2 -4 -5 -4 -4 -5 -5 -6 -5 -2 0 1 2 3 3 3	4 4 3 0 -4 -7 -6 -5 -6 -5 -3 -2 0 1 2 2	3 4 1 -3 -5 -4 -3 -3 -2 -1 -1
DECEMBER	!										_			_	_							1	a	0	,	4	5	4
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	-1 -1 -2 -2 -2 -1 -1 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0	-2 -3 -3 -2 -1 -1 0 1 1	0	11 13 11 4 -2 -7 -8 -7 -6 -5 -4 -2 -1 0	11 13 16 14 8 -1 -7 -9 -8 -6 -6 -4 -3 -1 0	8 10 13 12 6 0 -5 -6 -4 -4 -3 -3 -3 -2 -1	3 4 6 6 4 2 -1 -2 -1 -1 -2 -2 -2 -2 -2 -2	0 0 -1 -1 -2 -1 -1 0 0 1 1 1 1	2 1 1	-5 -3 -2 0 0 1 1	10 10 5 -1 -8 -11 -9 -7 -5 -3 -1 1 2	146 116 -11 -12 -12 -11 -7 -7 -7 -7 -7 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	13 14 9 0 -7 -10 -9 -7 -3 -4 -3 -1	6 7 4 0 -3 -4 -3 -2 -2 -1 -1 -1 -1	000000000000000000000000000000000000000	+ 6 -1 -3 -4 -4 -2 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	6 4 4 7 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 9 3 -6 -12 -13 -9 -7 -5 -5 -3 -3 -4 -4	11 10 4 -6 -11 -11 -8 -6 -5 -5 -1 1 1 1 2	1	000000000000000000000000000000000000000	-1 -1 -2 -2 -1 0 1 2 2 2 2 2 1	-11 -44 -63 -7 -63 -33 0 11 22 23 33 34	0 -3 -8 -12 -11 -4 -2 0 1 2 4 3	4 -5 -10 -11 -8 -4 -2 -2 0 3 4 4	6 3 -3 -9 -10 -7 -4 -3 -4 -2 0 2	5 3 -1 -5 -6 -4 -3 -3 -3 -2 -1 0 1 2

4	44	10	PH	30

KM LAT=	20		6 I T U			70	80	20	LONI		DE 30		70	80	20			DE 0 50			80	20		6 I T U 40		0 E	70	80DE6
SEPTEMBE				•																								
18 20 24 28 32 34 40 44 46 52 56 60 64 68 72 76	0 0 0 0 0 0 0 0 0 1 1 0 0 0 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1 1 0 -1 -1 -1 0 0 0 0 0 0 0 -1	1 1 1 1 0 -1 -1 -1 0 0 1 0 0 -1 -1 -1 -1	0 1 1 0 0 0 0 0 0 0 1 1 0 0 0 1 1 1 0 0	1 1 1 0 0 0 0 0 0 0 1 0 0 0 1 1 0 0	1 1 1 1 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 -1 -1 -1 0 0 0 0 0 0	1 1 0 0 -1 -1 -1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 -1 -1 0 0 0 0 0 0	0 0 0 -1 -1 -1 0 0 0 0 0 0 1 1 1 1	0 0 1 -1 -1 -1 0 0 0 0	0 0 0 0 0 0 0 0 1 1 0 0 0 0 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -1 -1 0 0 0 1 1 7 1 0 0 0 0 0 1 1 1 7	-1 -1 -1 -1 -1 0 1 1 0 0 0 0	-1 -1 -1 -1 0 0 1 1 1 0 0 0 0	0 -1 -1 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1
OCTOBER  18 20 24 28 32 36 40 44 48 52 56 60 64 66 72 76 80	0 0 0 1 1 1 1 1 1 1 0 0 0 0	0 1 1 1 0 0 0 0 0 1 1 1 0 0 0	0 0 0 -1 -1 -1 -1 0 0 0 1 1 1 1 1 1	0 0 -2 -4 -5 -5 -4 -2 -2 -1 1 2 2 2 2	1 0 - 2 - 5 - 9 - 7 - 4 - 2 - 1 1 3 3 3 2 1 1	1 0 -2 -5 -9 -6 -3 -1 0 3 4 4 4 3 2 1	0 0 -1 -3 -6 -6 -4 -1 -1 0 1 1	0 1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0 -1 -1	0 0 0 0 0 0 0 0 0 1 1 2 2 1	0 -1 -2 -3 -4 -4 -3 -1 0 0 2 2 3 2 2 1	0 -1 -3 -6 -8 -8 -4 -2 -1 0 2 3 3 3 2	0 -1 -3 -7 -9 -9 -5 -2 0 1 4 5 4 3 3 2	0 -1 -2 -4 -6 -5 -3 0 1 1 1 1 0 0	1 1 1 1 1 0 0 0 0 1 1 1 0 0 0 1 1 1 2 2 2 2	1 1 1 1 1 1 1 1 1 0 0 -1 -2 -2	0 0 0 1 1 1 1 1 1 2 2 1 2 0 0	-1 -1 -2 -3 -2 -1 0 1 2 2 2 3 3 2 1 0	-1 -2 -4 -6 -5 -2 0 1 2 3 3 3 2 2 1 0	-1 -2 -5 -7 -8 -6 -3 0 2 2 3 3 3 2 1 0 0	-1 -2 -3 -4 -5 -1 1 2 2 2 1 1 0 0 -1	0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 1 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 1	0 0 0 1 2 2 2 2 2 2 1 1 1 0 -1 -2	-2 -2 -2 -1 1 2 3 4 3 3 3 2 1 0 0 -1 -1	-3 -4 -5 -4 -2 f 3 4 4 4 3 2 1 1 0 0	-3 -5 -5 -4 -1 2 4 4 3 2 1 0 -1 -1 -2	-1 -2 -3 -3 -3 -1 1 2 3 2 2 1 0 0 0
18 20 24 28 32 36 40 44 48 32 56 60 64 68 72 76 80	011111111111111111111111111111111111111	100000000000000000000000000000000000000	2	-1 -2 -3 -5 -4 -3 -2 -3 -1 1 3 3 3 3 3 3	5 5	1 1 -1 -5 -8 -8 -9 -4 -4 -4 -1 0 2 3 3	1 0 -3 -5 -3 -2 -2 -1 0 1 1 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	-1 -1 -2 -2 -2 -2 0 1 1 2 2 2 2 2 2 1	-5 -3 -2 -2 -1 1 4 5	-1 -2 -6 -9 -10 -8 -3 -2 2 5 6 7 6 5 5	-1 -2 -5 -8 -9 -7 -4 -3 -2 4 5 5 5 4 4	2	1 1 1 2 2 2 2 2 1 1 1 1 0 -1 -2 -1 0 0	1 1 2 2 2 2 2 2 2 2 2 0 0 0 1 1	-2 -1 0 1 2 3 3 2 2 1 1	0 1 1 2 3 4 4 4 4 3 3	7 7 7 6 4	5 6 7 6 5 4	2	0 1 1 2 2 2 1 1 1 0 -1 -2 -2 -1 0 1	1 1 2 3 3 3 2 2 2 2 1 -1 -2 -1 0 0	3 3 3 2 0 -1 -1 0	1 3 4 4 5 4 3 2 1	4 4 6 7 7 4 5 3	-6-7 -10-9 -6-1 23-3 4-5 6-7 6-5 4-3 2	3 3 4 4 3 2 2
18 20 24 28 32 36 40 44 48 52 56 64 68 72 76 80	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1 -1 0 1 2 3 3 3 3 3 3 2 2 2 1 1 1 1 0 0 1 1 2 0 1 1 0 1 1 1 1	-4 -5 -5 -3 0 3 4 4 4 3 3 3 2	-4 -8 -10 -5 0 3 4 3 4 3 4 3	-11 -7 -3 1 1 1 3 4 5 4	2 3 4 4	2 2 2	11 11 11 11 11 11 11 11 11 11 11 11 11	0 0 2 3 4 4 3 3 2 2 1 1 1 1 0 0	1 5 7 6 5 3 3 2 2 1	-B -10 -9 -5 1 6 7 6 5 4 4 3 2 2	-11 -8 -2 2 4 4 3 4 5 5 4	2 1 2 3 3 4 3	-2 -4 -4 -4 -2 -1 0 0 1 1 2 2 2	1 2 2 2 2 1 1 0 0 0 0 0 0 0 0 0 0 0	23 33 33 22 22 20 10 00 11	-5! -3! -3! -3! -3! -3! -5! -5! -5! -5! -5! -5! -5! -5! -5! -5	-9 -10 -6 - 0 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	-10 -12 -10 -4 -3 -6 -6 -5 -5 -5 -5 -1 -4 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	-7 -10 -9 -4 -1 -3 -3 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	2 2 2 2 2 1 1	1 1 2 1 1 0 0 0 0 0 0 1 -1 -1 -1	1	-3 -1 2 5 6 6 6 6 7 2 2 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-9 -8 -3 3 8 10 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-11: -12: -7: 17: 17: 17: 17: 17: 17: 17: 17: 17: 1	6 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-5 -4 -1 1 2 3 3 3 3 3 3 3 1 3 1 1 1 1 1 1 1 1

м	HEM	ISPHF	RF

				DE 6							DE 9			90	20		GITU 40			20	80			1 TUD			70	BODEG
KM LAT=		30	40	50	60	70	80	20	30	40	50	60	70	80	20	30	٧٠	30	••	. •	•		•	•				
SEPTEMBE														•	- 1	- 1	0	1	0	٥	0	0	0	0	,	0	0	0
1 B 20	0 -1	Q - 1	0	0	- t - t	- t - I	-1	-1 -1	-1 -1	0	1	0	-1 -1	0	-1 -1	- 1 - 1	0	1	0	0	0	0	0	C	1	D 1	0	0
24 28	-1 -3	- 1 - 1	Q Q	0	- 1 0	- 1 - 1	-1 0	-1 -1	-1 -1	0	1	0	0	0	- 1	-1	0	1	1	1	0	Ö	J O	0	1	1	0	0
32 36	0	0	0		0	0	0	-1 0	-1 0	0	1	1 2	1 2	0	0	- t 0	0	0	1	2	0	0	0	0	0	0	1	0
40	0	0	0	1	2	1	1	0	0	0	0	2	2	1	0	0	0	0	1	1	0	0	0	0	-1 -1	0	0	0
44	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0 -1	0	o C	0	0	0	0	-1 -1	-1 -1	-1	0
52 56	- 1	0	0	0	0	0	ō	-1	- 3	0	0	0	0 -1	0	0	-1 -1	0 -1	-1 -1	-1 -1	-1 -1	0	0	0	0	-1 -1	-1 -1	-1 0	0
60 64	-1 -1	-1 -1	- t	Q	0	0	ů	-1 -1	-1 -1	-1	-1	-1	-1	0	0	-1 -1	-i -1	-1 0	-1	- 1 0	0	0	0	0	-1 0	0	0	0
68 72	0	0	0			0	0	0	-1 0	-1 0	0	-1 0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 80	1		0			0	1	!	0	0	0	0	0	1	0	0	0	0	0	0	Ö	ō	ŏ	ŏ	ò	ò	1	0
OCTOBER																												
18	Q	0	c	2	-4	-3	- 2	-1	-1	0	-1	-3	-3	-1	-1	-1	0	1	0	-1	0	0	-1	0	2	2	1 2	0
20 24	0	0		- 2	-4	-4	~ 2 - 2	-1 -1	-1 -1	0		-2 0	-3 -1	-1 1	-1 -1	-1 -1	0	1	0 3	0	0 Ì	-1 -1	-1 -1	0	4	3	5	3
28	0	0	7	2 1	0	-1	-1	-1 -1	-1 0	2 3		4 9	3		-1 -1	-1 -1	1 2	6		7 11	6	-1 -1	-1 -1	1	5 5	8 10	11	5
32 36	0	1		3 6	, 7	5	3	-1 0	0	3 2	7	11	11	6	-1 0	0		_			? 5	-1 -1	-1 -1	0	4	5	10 6	6 3
40 44	0	1	:		3 7	6	3	0	0	2	5	7	7	3	0 -1	0	1	3			2	-1 -1	-1 -1	-1	0 -1	-1	-1	0
48 52	0			_	9 6	4		- 1	0	1	2	4	4	1	- 1	0	0	f	1	1	1 -1	- ! - 1	- I 0	0 -1	~1 -2	- f - 3	-2 -4	-1 -1
56 60	0				2 3			- 1 0	0	0	- 1	- 1	-4	- 1	-1 0	0	~1	-2	-3	-5	-2 -2	0	0	- 1 -2	-3 -3	-4 -4	-4 -4	- 2 - 2
64 68	0				0 -1 1 -1			0			_				0	0	-1	-3	-4	-5	-2	0	0	- 1	-2	-3	-3 -2	-2 -2
72 76	Č	-1	-	1 -:	2 -2			1							0	-		- 1	-2	- 3	-2 -2	0	0	0	-1	- 1	- 1	-2 -2
80		) -1						1				- 2	- !	. 0	0	-1	-1	-1	-2	- 2	- 2	0	0	0	Q	3	0	- 2
NOVERBE	R																									4	2	0
1 g 20		D 1			4 -, 4 -			- 1 - 1							-1 -2				1	-2	-2	-1 -1	-1 -1	3	5	6	3 7	1
24		o :	2		4 -	8 -	7 -6	-	١ ١		3 1 5 4	-:		5 -4	-2 -1				8 6	5	2	-2 -2	- 2 - 2	3	9	12	10	5
28 32		1 .	3	4	2	0	0 0			!		7	7	5 3	-1				8 14 6 11			-2 -2	- 2 - 2		7		11	6 5
36 40		1	2	3	6	,	6 4		1		2 1	5 '	9	9 5	- 1	) (	Q -		0	7 8 5 6		-1 -1	-2 -2		- 1 - 2	3	5	
44 48			0	2	5	,	6 4	4	0 -	, ,	0	4 .	7	7 4	-1	-)	2 -	2	0 :	5 5		-1 0	-2 -1				2	
52 56		0		2		-	7 <b>4</b> 6 <b>4</b>		0 - 0 -:	-	1 .	3	6	7 4 5 3	1	-	1 ~	1	1	3 3	1	1 2	1	-1	- 1 - 2	-1	- 1 - 3	
60	-	1 - 2 -		2			5 3		0 -		-		-	3 2	1	1	0 -	2 -	3 -	3 -2	0	2	1	0		-6		-2
68 72	-	1 -	2 -	2 -	1		2 1	-			3 - 2 -				-1		1 -	2 -	4 -	5 -4	-1	0	- 1	-1	- 3	-6	-5	- 2
76		0		·1 ·	2 -		0 0			1 - 0 -				3 -1 3 -1	-1 -3							-1 -2						
80		1		•	•	•	,		•	•																		
DECEMB		0	,	0 -	-6 -1	0 -	A -4	-	1	0	1 -	3 -	, -	B -4	- 1	2 -				2 -4		-1				, 6 3 8		
18 20		0	2	0	6 -1	1 -1		-		1			-	9 -5 6 -3	-			3 5	7		0	-2	: -2	? :	11	12		3
24 28		1	3	4	1 -	. 3 -	3 -2		0	1	5	5	3	2 1 9 4	-			5	•	B .	7 4	- 2 - 1	i -'	۱ :	٠	7 11	10	) 6
32 36		0	1	5		6	8 3		0		2	8 1	2 1	1 5		0	0	2		0 1 7	1 7	(					) :	2 3
40 44			1	0	8 1	9	9 4		0 -	1 -	1	3	2	7 3		0 -	٠, -	2	0	3	4 2	(	} -					2 -1
48 52			1 2	0 -1	3 3	6 6	6 3			3 .	-	1	5	5 2		ι -	. 3 -	4 .	2	1	2 0	(		2 -	٠ -	4 ~1	<b>.</b> -	
56		-1 -	2	- j - 2	2	4 2	4 2 2 2					·1	2	2 1		0 -	-2 -	4	. 5	4 -	2 -1	1		1 -	3 -	6 -6		3 -1
64		-1 -	2	- 2	- 2	0	0 1		1 -	3	.3 .	4 -	3	2 0 3 -1							5 -2	4	0	0 -: 0 -	1 -	4 -	3 -	4 -2
4 <b>8</b> 72		0 -	-1	- 1	- 3	- 3	2 0		0 -	2	2	4	- 6	-4 -1 -4 -1		0 -	-2 -			- 6	5 -2 5 -2		0 - 0 -	1	0 -	2	3 -	3 - 2
76 80		0	0				3 -1							4 -2							4 -2	,	0 -	1	0 -	1 -	3 -	3 -2

HEM	

TEMPERATURE - (ZONAL MEAN TEMPERATURE) (K)

KM LAT=	20	LONGITUDE 180 BEG 30 40 50 60 70 80	20	LONGITUDE 150 W 0 30 40 50 60 70 B	80 20	LONGITUDE 120 V LONGITU 0 30 40 50 60 70 80 20 30 40	DE 90 U 50 60 70 BODEG
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	0 -1 -1 -1 -1 -1 -1 0 0 0 0 0	0 0 1 -1 -1 -2	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 1 3 8 13 16 1 0 2 7 12 16 1 1 -2 -1 2 6 8 1 -3 -5 -4 -1 0 1 -4 -8 -9 -9 -9 -8 - 1 -4 -8 -12 -13 -12 - 1 -3 -6 -11 -13 -12 - 0 -2 -4 -8 -11 -10 - 0 0 0 0 -3 -6 -4 - 0 1 2 0 -2 -2 - 0 1 2 0 -2 -2 - 0 1 1 4 3 2 - 0 1 0 4 4 3 0 0 0 4 5 3	9 0 0 10 0 0 11 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 4 7 6 0 -1 -3 0 -1 -2 -1 2 6 5 0 -2 -4 0 -2 -4 -4 -2 1 1 0 -2 -5 1 -3 -6 -7 -5 -4 -2 0 -1 -4 1 -3 -7 -9 -8 -7 -5 0 0 -3 1 -2 -6 -8 -8 -8 -6 -5 0 0 -1 0 -1 -3 -6 -7 -7 -4 0 1 0 0 -1 -3 -6 -7 -7 -4 0 1 0 0 -1 -3 -6 -7 -7 -4 1 1 1 0 0 1 1 1 0 1 -1 1 1 1 0 1 2 2 4 3 3 0 1 1 2 0 2 2 4 3 3 0 1 1 2 0 1 1 5 6 4 1 0 1 2 0 1 1 4 6 4 2 0 0 1 0 0 0 4 5 3 2 0 0 0	-2 -3 -2 1 -3 -4 -2 1 -5 -5 -4 -1 -6 -5 -4 -2 -6 -5 -4 -3 -4 -3 -4 -4 -2 -2 -3 -4 -1 -1 -2 -3 0 0 0 0 -1 2 2 3 1 4 5 5 3 5 7 6 4 5 8 6 4 4 6 6 4 3 5 5 4 3 2 3 3 2 1 2 2 2
FEBRUARY 18 20 24 28 32 36 40 44 45 56 60 64 66 67 72 76 80	-1 -3 -1 0 1 0 1 0 0 -1 -1 0 0 0	0 3 6 11 9 4 6 13 12 14 15 8 12 12 7 10 8 12 12 7 10 8 12 12 7 10 8 12 12 7 10 8 12 12 7 12 12 12 12 12 12 12 12 12 12 12 12 12	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	2 0 2 5 12 12 0 2 6 10 13 1 0 1 4 5 6 0 -1 -3 -3 -1 -1 - 1 -2 -3 -6 -7 -7 - 0 0 -4 -5 -10 -11 - 0 -1 -3 -5 -9 -9 -9 - 0 0 -2 -2 -4 -7 -7 - 0 0 0 0 0 -2 -5 -5 - 0 0 1 1 -1 -3 -4 - 1 2 2 0 -2 -2 -1 1 2 2 1 0 -1 -1 1 1 1 2 1 0 -1 1 1 2 2 1 -	7	0 1 2 3 6 9 10 2 0 1 1 -2 -1 2 4 8 6 1 -2 -3 1 -1 -1 0 0 3 1 0 -1 -2 1 0 -1 -3 -4 -3 -3 -1 1 0 1 0 -2 -4 -6 -7 -4 0 0 -1 1 1 -1 -1 -4 -6 -8 -3 -1 -2 0 0 -1 -3 -4 -8 -7 -4 0 0 -1 0 -1 -2 -3 -4 -6 -3 0 0 -1 0 -1 -2 -3 -4 -6 -3 0 0 -1 0 1 -2 -3 -4 -5 -2 0 -1 -1 0 0 1 2 1 0 -1 -1 0 0 1 1 1 2 2 3 3 2 0 0 1 1 1 1 2 4 3 0 0 1 1	1 0 4 4 1 -1 3 4 -2 0 2 3 -4 -2 0 0 -3 -5 -3 -2 -3 -4 -4 -2 -3 -3 -4 -2 -3 -3 -4 -4 -2 -2 -3 -2 -1 -1 -1 -1 1 1 1 0 3 3 3 0 3 5 5 1 3 5 5 1 3 5 5 1 2 4 4 2
MARCH  18  20  24  28  32  34  40  44  48  52  56  60  64  68  72  76  80	0 -1 -1 -1 -1 0 0 0 0 0 0 0	0 3 6 8 8 6 6 0 3 7 9 10 6 0 3 7 10 9 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	000000000000000000000000000000000000000	0 0 2 6 9 10 0 0 1 5 9 9 0 -1 -1 2 5 5 1 -2 -3 -3 -2 -1 - 1 -2 -4 -7 -8 -7 - 1 -2 -4 -8 -10 -10 - 1 -1 -3 -7 -9 -10 - 0 -1 -2 -6 -8 -8 -7 0 -1 -2 -5 -8 -7 - 0 0 -1 -2 -4 -4 - 1 1 0 0 -2 -2 - 1 1 0 1 0 1 1 1 0 1 2 1	6 0 7 0 6 3 0 -1 0 -1 -2 -1 -2 -1 -1 1 0 1 1 1	0 0 1 4 8 9 6 1 0 0 0 0 0 3 7 8 5 0 0 -1 0 -1 -2 0 3 4 3 0 -1 -2 0 -2 -3 -4 -3 -2 -1 0 -1 -3 1 -2 -4 -7 -8 -7 -4 0 -1 -3 1 -1 -3 -7 -10 -10 -6 0 -1 -2 0 -1 -3 -6 -9 -9 -5 0 0 -1 0 -1 -2 -5 -7 -7 -4 0 0 -1 0 -1 -1 -4 -5 -5 -3 0 0 0 0 0 0 -1 -1 -1 0 0 1 0 0 1 1 0 -1 -1 0 0 1 0 1 1 2 1 0 0 0 0 2 1 1 1 2 2 1 1 0 1 1 1 1 1 2 2 1 1 0 1	3 5 6 4 1 5 6 3 -1 1 2 1 -5 -4 -3 -1 -6 -8 -7 -3 -6 -9 -8 -5 -7 -7 -4 -3 -4 -4 -3 -1 -1 -2 -1 2 2 1 0 3 3 2 1 4 4 3 2 3 3 3 2 2 2 2 2 1 1 1 1 1 1
APRIL  18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0		0 0 0 1 1 1 1 1 1 0 0 0 0 0 1 1 1 1 1 0 0 0 1 1 1 1 1 0 0 1	0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 1 0 0 0 -1 0 0 -1 -2 -2 -1 0 0 0 0 0 0 0 -1 -2 -2 -1 0 0 0 0 0 0 0 -1 -2 -2 -1 0 0 0 0 0 0 0 -1 -2 -2 -1 -1 0 0 0 0 0 0 -1 -2 -2 -1 -1 0 0 0 0 0 0 1 -2 -2 -1 -1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 1 1 1	-1 0 0 1 -1 0 0 1 -2 -1 0 0 1 -2 -1 0 0 -1 -1 -1 0 0 -1 -1 -1 0 0 0 0 1 0 0 0 1 1 1 1 1 1 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1

KN LAT=	20		61TU 40			70	80	20		61 TU			70	80	20		G1TU			; 70	RO	20		GITU			70	80DEG
JANUARY								-		•	•		. •		••			••	••	. •	••			•		•••	•	***************************************
18 20 24 28 31 32 36 40 44 48 52 56 60 64 68 72 76 80	0 0 0 0 0 0 0 0 0 0	-1 -2 -1 0 1 2 3 2 2 2 2 1 0 0 0	-3 -4 -4 -2 0 2 3 3 3 2 1 0 0 0 t	-4 -5 -6 -5 -3 0 2 4 4 4 4 5 4 3 2 0 0 -1	-6 -7 -8 -6 -4 0 2 3 5 6 8 8 6 4 2	-7 -8 -9 -7 -4 -1 0 2 4 5 7 7 6 5 3 2	-3 -4 -5 -5 -4 -2 -1 1 3 5 6 5 4 3 2 1	000111111111111111111111111111111111111	-1 -1 0 2 3 3 3 2 1 1 0 0 -1 -1 0 0 I 1	-3 -3 -2 0 3 5 6 5 3 2 0 -1 -1 0 0 1 2	-4 -5 -5 -3 0 3 5 5 5 5 5 5 4 2 0 -1 -1 -2 -2		-8 -10 -11 -9 -5 -1 2 4 6 6 6 6 6 6 5 3 2 0 -1	-5 -7 -8 -6 -4 -1 0 1 3 4 5 5 4 3 2 0	111000000000000000000000000000000000000	0 0 1 2 3 3 2 1 0 0 0 -1 -1 -1 0 0 1 2	-3 -3 -1 1 4 6 6 4 2 1 0 -1 -1 0 0 1	-5 -6 -3 1 4 6 6 5 4 1 -1 -2 -2 -2 -2 -2	-7 -9 -11 -8 4 1 4 6 7 5 3 1 0 -2 -2 -3 -3	-8 -11 -13 -10 -5 0 3 6 7 6 5 4 2 0 -1 -2 -3	-6 -8 -9 -6 -3 0 2 4 5 5 4 3 2 1 0 -1	111111111111111111111111111111111111111	1 1 2 2 2 2 1 0 0 -1 -1 -1 -1 0 0 1	-3 -3 -1 1 4 5 5 4 2 1 0 -1 -1 0 0	-8	-10 -12 -8 -1 4 8 8 7 4 1 -1 -2 -3 -3 -4 -3	-10 -12 -13 -8 -2 3 7 8 8 4 1 -1 -2 -3 -3 -4	-7 -8 -9 -5 -1 2 4 6 6 5 2 1 -1 -2 -2 -2 -2
FEBRUARY						•											•		•		,					_	_	_
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	1 2 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- f - 1 0 0 0 0 - 1 0 1 - 1 - 1 - 2 - 1 0 1 1 2	-1 -2 -3 -3 -1 -1 0 0 -1 0 -1 0 1 1 2 2	-1 -1 -4 -5 -3 -3 -3 -2 -1 0 1 3 4 4 3 2 2	-3 -4 -6 -4 -3 -1 0 2 5 7 7 7 5 4 3	0 -1 -3 -3 -2 -2 -2 -2 -1 2 5 6 7 7 6 4 3	0 -1 -1 -1 0 -1 -2 -1 0 1 2 2 3 3 3	0 1 -1 1 1 0 0 0 0 0 -1 -1 0 0	-1 -1 0 -1 0 1 1 1 3 0 -1 -2 -1 -1 0 0	~1 -4 -2 -3 -2 -1 0 2 1 0 -1 -1 0 2 2	-3 -5 -5 -5 -3 -2 0 1 1 2 4 4 4 3 2 2	-2 -3 -4 -5 -6 -5 -3 1 1 5 7 9 8 7 5 3 2	-3 -4 -6 -6 -4 -3 -1 0 2 5 7 8 8 7 5 3 2	-4 -6 -4 -2 0 -2 -1 1 2 3 4 4 4 3 3	0 -1 0 1 1 1 1 0 0 0 0 0	0 -1 2 1 -1 0 3 3 1 1 1 0 -1 -1 -1 0 0 1	-2 -4 0 -1 -2 1 1 2 2 0 0 0 0 1 1 2 2	-4 -5 -5 -4 -5 -2 2 3 2 2 3 4 4 3 2 2	-2 -3 -6 -7 -4 -4 -2 3 3 7 8 8 7 5 3 2	-5 -7 -8 -7 -5 -3 0 2 4 7 7 7 7 5 3 2 0	-6 -8 -7 -4 -2 -2 0 2 3 4 4 4 4 3 3	0 -1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100011112111000-1-1-1	-2 -2 0 0 1 3 3 3 3 1 1 1 0 0 0 0	-5 -6 -5 -3 -1 3 6 5 4 3 3 3 2 1 0 -1		-8 -10 -10 -7 -3 1 4 6 7 7 6 4 3 1 0 -1 -2	-5 -6 -8 -5 -4 0 3 3 3 4 3 3 2 2
MARCH																												
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	0 0 1 1 0 0 0 0 0 0 0 1 1	000000000000000000000000000000000000000	0 -1 -1 -2 -2 -2 -1 0 0 1 1 1 2 1	1 1 0 -3 -5 -5 -4 -2 0 2 4 4 4 3 2 1 0	2 1 -2 -5 -7 -6 -3 -1 3 -5 6 5 4 2 1 0	2 1 -1 -4 -5 -5 -3 -1 2 4 5 5 4 2 1 0	0 0 0 -1 -1 -2 -2 -1 0 1 2 3 3 2 1	0 0 1 1 1 1 1 1 0 0 0 -1 -1	0 0 1 1 1 1 1 1 1 1 0 -7 -1 -1 0 0	-1 -1 -2 -1 -1 0 f 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2 -4 -4 -4 -2 -1 1 2 4 4 4 3 2 1 1 0	-2 -3 -5 -6 -5 -3 -1 1 3 5 7 6 5 3 2 1 0	-3 -4 -5 -5 -4 -2 0 1 3 5 6 7 6 4 3 1 0	-3 -4 -3 -2 -1 1 2 2 2 3 4 4 3 2 1 0 0	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 2 2 2 2 2 1 1 1 0 0 0 -1 -1 -1 0 0	-2 -2 -2 0 2 3 3 3 2 1 1 1 1	-5 -6 -7 -5 -1 3 5 5 4 4 4 4 3 2 1 1	-8 -9 -11 -8 -3 2 5 6 6 6 6 6 5 4 3 2 1	-8 -10 -10 -7 -2 3 6 6 6 7 7 5 3 2 1 0	-6 -7 -6 -3 1 3 5 4 4 4 5 4 3 2 1 0	0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 2 2 2 2 1 1 1 0 0 -1 -1 -1 0	-3 -3 -2 1 4 5 5 4 2 1 1 1 0 0 0	~9	-11 -13 -13 -6 2 9 12 10 8 6 5 4 2	-13	-7 -8 -7 -3 2 6 7 6 5 4 4 4 2 1 0 0
APRIL																												
18 20 24 28 32 36 40 44 48 57 56 60 64 68 72 76 80		000000000000000000000000000000000000000	0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -2 -2 -1 0 ! 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -2 -1 -1 0 0 1 1 1 1 0 0 0	0 -1 -1 -1 -1 0 0 1 1 1 0 0 0	0 0 0 0 -f -1 0 0 0 0 0 1 1 1 0 0		1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 1 2 1 0 0 0 0 1	-1 -2 -1 0 1 2 2 2 1 1 1 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -3 -2 0 1 2 2 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0	-1 -2 -2 -2 -1 0 1 1 1 1 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	111111111111111111111111111111111111111	0 1 1 2 2 1 0 0 0 0 -1 -1 -1 0 0	-2 -2 -1 0 2 2 2 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0	-3 -3 -3 -2 0 2 2 2 2 2 2 1 0 0 0 0	-2 -3 -2 -1 0 1 1 1 1 0 0 0 0	-1 -1 -1 -1 -3 0 0 0 0 0 0 -1 -1 0 0	000000000000000000000000000000000000000	1 1 1 1 0 0 0 -1 -1 -1 0 0 0 0	0 0 1 1 1 0 0 0 -1 -1 -1 0 0	-2 -2 -1 0 2 2 2 1 0 -1 -1 -1 -1 0 0	-2 -3 -1 1 2 3 2 1 0 -1 -1 -1 0 0	-2 -2 -1 0 1 1 1 0 0 0 0	-1 -1 -1 -1 0 0 0 1 1 0 0 -1 -1 0 0 0 1 1 0 0 0 1 1

-	HF	-	 	

KM LAT=	20		6 I T U			70	80	20		GITU 40		9 E	70	80	20	LON		DE 1			RO	20			DE 1			80BEG
JANUARY																				. •	*-					••		
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	111111111111111111111111111111111111111	-2 -1 1 2 4 4 3 2 1 0 0 -1 -1 0	-7 -6 -2 3 7 9 7 4 2 0 -1 -2 -2 -2	-10 -12 -10 -4 3 9 11 10 7 3 0 -1 -3 -4 -4	~12 ~10 -3 4 8 10 10 7 4 1 -1 -3 -4 -4 -4	-6 -7 -6 -2 2 4 6 6 5 3 1 -1 -2 -2 -2 -2	0	0 0 0 0 0 0 1 1 1 1 0 0 0 -1 -1 -1	0 0 1 1 2 2 2 2 2 2 1 0 -1 -1 -1 -1 -1	-2 -2	-6 -6 -2 3 8 10 11 8 5 2 0 -2 -4 -4 -4 -4 -3	-3	-4 -1 2 5 6 4 2 0 -2 -2 -2 -2 -1	-1 -1 -1 -1 -0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 1 -1 -1 -1	-1 -1 -1	-2	10 8 5 2 0 -1 -2 -4 -5 -4 -3 -2	2 4 7 9 10 8 6 2 -1 -4 -6 -6 -5 -3 -2 -1	1 2 4 6 6 5 4 1 -2 -3 -4 -3 -2 -1 -1 0	0	-i -1	5 5 5 4 1 -2 -4 -3 -2 -1 -1 -1 -1 -1	9 11 12 10 6 0 -5 -4 -3 -4 -3 -2 -1 0	12 15 18 15 9 2 4 7 7 -6 -7 -4 -7 -4 -7 -1	124718325-66-64201	6 7 7 8 5 3 1 -2 -4 -5 -5 -3 -2 -1 0
FEBRUARY			. 1				٠						- 0				•										_	
18 24 28 32 36 40 44 48 52 56 64 69 72 76	1 0 0 0 0	1 -1 1 2 2 0 1 1 2 2 1 0 -1 -1	0 -1 2 4 4 5 3 2 2 2 1 0 -1 -2 -2	-5 -4 -1 4 8 9 7 4 3 2 0 -2 -3 -3	-4 -4	-11 -9 -3 2 7 9 9 8 5 2 0 -2 -3 -3	-6 -4 -2 3 5 3 3 1 1 0 0	-1 -1	1 -1 0 2 2 -1 0 1 1 1 1 0 -1 -1 -1	2 -1 2 5 4 4 2 1 2 1 0 -2 -2	-1 2 8 9 7 5 4 2 0 -3 -5 -5 -5	-10 -5 3 7 13 14 8 6 1 -2 -5 -7 -7	-5 -5	-3 -3 -3 0 3 6 6 3 2 1 -1 -2 -2 -2 -2 -2	0 1 -1 0 0 0 0 0 -1 0 0 0 0 0 0 0 0 0 0	-1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2	3 5 8 4 3 1 1 0 -2 -5 -6	-3 7 9 10 8 5 2 -2 -8 -8 -6 -5	-2 -2 1 5 9 10 9 5 2 -2 -4 -7 -8 -7 -6 -5 -4	2 4 6 6 4 2 1 -1 -2 -3 -4 -4 -4 -4 -3	-1 -2 0 0 1 1 -1 -1 -1 0 0	0 -1 1 0 -2 -1 0 -1 -1 0 0 0 0 0	3 2 4 2 0 -1 -3 -1 -1 -1 -1 -1 -1	4 5 7 7 4 1 3 -2 1 -2 3 -5 -4 3 -2 1	579107320446876432	5 6 7 7 6 4 L L L L L L L L L L L L L L L L L L	1 0 5 6 6 3 0 0 -1 -3 -3 -4 -4 -4 -4 -3 -3
MARCH 18	0	0			-11				-1				,		-1	-1		2	1	,	1	-1	0	3	5	6		
20 24 28 32 36 40 44 48 52 56 60 64 68 27 68	000000000000000000000000000000000000000	0 1 1 2 2 2 1 0 0 0 0 0 0 0	-3 -1 2 5 6 6 4 2 1 1 0 -1 -1 -1	-8 -6 0 7 11 12 9	-12 -10 -2 7 13 15 11 8 5 3 1 -1 -2 -2	-12 -9 -2 6 12 14 11 8 6 4 2 0 -1 -2 -2	-7 -5 -1 3 6 7 6 4 3 3 2 1 0 0	0 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 0 0 1 1 1 0 0 0 0 0 0 0	-1 -1 1 2 4 4 4 4 2 1 1 0 -1 -1 -2 -2 -1 -1	-4 -4 -1 3 8 7 9 6 4 2 0 -2 -3 -3 -2 -2	-3	11 8 6 3 0 -2 -3 -4 -3 -2	-3 -3 -2 0 2 4 5 4 3 1 0 -1 -1 -1 -1	-1 -1 -1 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 2 2 2 2 1 0 0 0 0 -1 -1 -2 -2 -2 -2 -2	2 4 5 5 4 3 2 1 0 -2 -3 -4 -3 -3	2 4 6 7 7 5 3 2 0 -3 -5 -5 -5 -4 -3	1 3 4 5 5 4 3 1 -1 -4 -5 -6 -5 -3 -2 -1	1 1 1 1 1 1 1 0 -2 -3 -4 -3 -2	-1 -1 -1 -1 -1 -1	0 -1 -1 -1 -1 -1 -1 0 0	3 3 2 -1 -2 -2 -1 -2 -2 -1 -1 -1	7 7 6 2 - 2 - 4 - 3 - 3 - 4 - 4 - 3 - 2 - 1 - 1	7874033346764210	67752-13-33-57-76-42-10	4 4 2 0 -2 -3 -2 -2 -3 -5 -5 -4 -3 -1 -1
APRIL																												
18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 72 80		0 0 0 0 0 0 0 0 0 0 1 1 1 0 0	0 0 0 0 0 0 0 0 -1 -1 0 0	-1 -1 0 1 2 2 1 0 -1 -2 -2 -1 0 0	-1 -1 0 2 2 2 1 0 -1 -2 -1 0 0 0 1	-1 -0 0 1 1 1 1 0 0 -1 -1 0 0	0 -1 -1 0 0 7 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 0 0 0 0 0 0 0	0 -1 -1 0 0 0 0 0 0 -1 -1 0 0 0 0 0	0 0 1 1 1 1 1 1 0 -1 -2 -2 -1 0 0 0	1 1 2 2 2 1 1 0 -1 -1 -2 -1 0 0 0 1 1	1 1 1 2 2 1 1 0 0 -t -1 -1 0 0	0 0 0 0 0 0 0 0 0 0	-1 -1 -1 0 0 0 0 0 0 0 0 0	-1 -1 -2 -1 -1 0 0 0 0 0 0 0 0	0 0 0 -1 -1 0 0 0 0 0 0 0	2 2 2 1 0 0 -1 -1 -1 -1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	2 3 3 3 1 0 -1 -1 -1 -1 0 0 1 1 0 0	1 2 2 2 2 1 0 -1 -1 -1 0 0 0 1 1 1 1	0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 -1 0 0 0 1 1 0 0 0 -1 -1 -1	0 0 0 -1 -1 -1 0 0 0 0 -1 -1	3 3 3 1 1 -2 -2 -2 -1 0 1 1 0 0 -1 -1	3 3 3 2 1 -1 -2 -2 -1 -1 0 0 1 1 1 0 0	1 2 2 2 1 0 -1 -1 -1 0 0 6 1 1 1 0	0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0

2	ME	m I	20	u E	85

## (PRESSURE)/(ZUNAL HEAN PRESSURE) - 1 (X)

KM LAT=					80 D -40	_	-20	-80		611U -60	-	50 U -40	-30	- 20	-80			DE 1:		-30 -	-20	-80			DE 9		-30 -	-20 <b>8</b> E6
APRIL																												
18 20 24 28 32 33 40 44 48 52 56 60 64 68 72 74 80			2 2 2 2 1 0 0 -1 -1 -2 -3 -4 -4 -4 -3 -3	2 2 2 1 0 0 -1 -1 -2 -2 -3 -3 -3 -3	1 1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1	1 1 0 0 0 0 0 0 1 1 1 1 1 1 1 2	2 2 2 3 2 2 1 1 0 0 -1 -1 -1 -2 -2 -1 -1		3 3 2 2 1 0 0 -1 -2 2 2 3 3 -3 3 -3 3 -3 3 -3	2 2 2 1 0 -1 -2 -2 -2 -3 -3 -2 -2 -1 -1	1 1 0 0 0 -1 -1 -1 -1 -1 -1 0 0 0 1	0 0 0 0 0 0 0 0 0 1 1 1 1 1	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 2 2 2 2 1 1 0 0 0 -1 -1 -1 -1 0 0	2 2 2 2 1 0 -1 -2 -2 -2 -2 -1 -1	2 2 2 1 0 -1 -2 -2 -3 -3 -3 -3 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	2 1 0 -1 -1 -2 -2 -2 -2 -2 -2 -1 -1 0 0	1 1 0 0 0 0 -1 -1 -1 0 0 0 0 1 1 1	0 0 0 0 0 0 0 0 0 1 1 1 1 1	0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 0 0 0 0 0 0 0 1 1 2	2 1 1 5 0 -1 -1 -2 -2 -1 -1 0 0	1 1 0 -1 -2 -2 -2 -2 -2 -2 -1 -1 0 0	1 1 0 -1 -1 -1 -2 -2 -1 -1 -1 0 0 0 1 1	0 0 0 0 0 0 0 0 0 1 1 1 1	0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1
18 20 24 28 32 36 40 44 48 52 56 60 64 64 67 72 76 80	1 1 2 2 2 2 2 1 1 1 1 0 0 0 0	1 1 3 4 4 3 2 2 1 1 0 0 0 -1 -1 -1 0	1 2 3 4 4 3 2 1 1 0 0 -1 -1 -1 0	1 1 1 2 2 2 1 0 0 -1 -1 -2 -2 -2 -2 -1 -1	0 0 1 1 0 0 -1 -1 -2 -2 -2 -2 -2 -1 -1	0 0 0 0 0 -1 -1 -2 -2 -2 -2 -1 -1 -1 0	0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	1 2 2 2 2 2 1 1 1 0 0 0 -1 -1 -1 -1 -1 -1 0 0	2 2 3 3 2 1 0 0 -1 -2 -2 -3 -3 -3 -2 -2	1 2 2 2 2 2 1 0 0 -1 -1 -2 -3 -3 -3 -3 -2 -1	1 1 1 0 0 -1 -2 -2 -3 -3 -3 -3 -2 -2	0 0 0 0 0 0 -1 -2 -2 -2 -2 -2 -2 -1 -1	10000-1-1-1-2-2-2-1-1000	0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 0 0	1 2 2 1 1 0 0 0 -1 -1 -1 -2 -2 -2 -2 -1	2 2 2 1 0 -1 -1 -2 -2 -3 -3 -3 -4 -4 -3 -3	2 1 1 0 -1 -2 -2 -3 -3 -3 -4 -4 -4 -4 -3 -3 -2	1 1 0 0 -1 -2 -3 -3 -3 -3 -3 -3 -2 -2 -1 -1	0 0 0 1 -1 -1 -2 -2 -2 -1 -1 -1 0 0	000000000000000000000000000000000000000		1 1 0 0 -1 -1 -1 -2 -2 -2 -2 -2 -2 -2 -2	-3 -3	1 0 -1 -2 -3 -4 -4 -3 -3 -3 -3 -3 -2 -2 -2	0 0 -1 -2 -3 -3 -2 -2 -2 -1 -1 0 0	0 0 -1 -1 -1 -1 -1 0 0 0 1 1 1	000000000000000000000000000000000000000	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
JUNE 18 20 24 28 32 36 40 44 48 52 56 60 64 69 72 76 80	1 1 2 2 2 1 1 1 1 1 0 0 -1 -1 -1 -1	2 2 3 3 3 2 2 1 1 0 0 -1 -2 -2 -2 -2 -1	2 3 3 3 3 2 1 1 0 -1 -2 -2 -2 -2 -2	2 2 2 2 1 1 0 0 -1 -1 -2 -2 -2 -2 -2 -2 -1	1 1 1 1 0 0 0 0 0 0 0 0 0 1 1 1 2 2 2 2	1 1 1 0 0 0 0 0 0 0 0 1 1 1 2 3 4 4 4 5	1 0 0 0 0 0 0 0 1 1 1 1 2 3 3 3 3 3 3	2 2 2 3 3 3 2 2 2 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 4 4 3 3 2 2 1 0 0 -1 -1 -1 0 0	3 3 3 3 3 2 1 1 0 0 0 -1 -1 -1 -1 0 0 0	2 2 2 2 2 1 1 0 0 0 0 -1 -1 -1 0 0 0	1 1 1 1 0 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	1 1 1 0 0 0 0 0 1 1 1 1 2 3 4 4 4	0 0 0 0 1 1 1 1 1 2 2 3 3 3 2	2 3 3 3 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	3 3 3 3 2 2 1 1 0 0 0 -1 -1 0 0	3 3 3 2 2 1 1 0 0 -1 -1 -1 -1 0 0	111111111111111111111111111111111111111	1 1 0 0 0 0 0 0 0 0 1 1 1 2 2 2 2 2 2	000000000001111222111	0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 0 0	2 2 2 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2	2 2 2 1 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1	2 1 1 0 0 0 -t -1 -f 0 0 0 1 1 1 1	0 0 0 0 -1 -1 -1 0 0 0 0 1 1 1 1 1 1	0 0 0 -1 -1 -1 -1 -1 0 0 0 1 0 0 0	0 0 0 0 0 0 1 1 0 0 0 0 1 1 1 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1
JULY  18 20 24 28 32 36 40 44 48 52 56 60 60 68 72 76 80	-1 0 1 1 0 0 -1 -1 -1 -1 -2 -2 -2 -3 -3	1 2 3 3 1 0 1 -2 2 -3 3 -4 -4 -5 5 -5	23320-24-56-67-88-88-88-88-88-88-88-88-88-88-88-88-88	2 3 3 2 0 -3 -5 -6 -7 -7 -8 -9 -9 -9	0 1 1 1 1 1 1 1 1 1 1 3 -5 -6 -6 -7 -7 -7 -7 -7 -7 -6 -6 -6 -6 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	0 0 1 0 0 -2 -3 -4 -4 -4 -3 -3 -2 -2 -2 -2	0 0 0 0 -1 -1 -1 -2 -2 -2 -1 -1 -1 -1	0 1 2 2 1 1 0 -1 -1 -1 -1 -1 -2 -2 -3 -3 -4 -4	-2 -3 -3 -4 -4 -5 -5	3 3 3 1 -1 -3 -5 -6 -7 -7 -8 -8 -9 -9 -9	2 2 2 1 -2 -5 -6 -7 -7 -8 -8 -9 -9 -9	1 1 0 0 -2 -4 -5 -6 -6 -6 -6 -6 -5 -5 -5 -5	1 1 1 0 0 -1 -2 -2 -3 -3 -3 -2 -2 -1 -1 -1	0 0 0 0 -1 -1 -1 -1 -1 -1 0	1 2 2 2 1 0 -1 -1 -1 -2 -2 -3 -3 -3 -3	3 3 3 2 0 -1 -2 -3 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4		2 2 1 0 -2 -4 -5 -5 -5 -5 -5 -5 -4 -4	1 1 0 -1 -2 -3 -3 -3 -3 -3 -2 -2 -1 -1 -1	0 0 0 0 0 -1 -1 -1 -1 0 0 0 1 1	0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1	2 2 1 1 0 -1 -1 -1 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	3 3 2 1 -1 -2 -2 -3 -3 -3 -3 -3 -2 -2 -1 -1	3 3 2 1 0 -1 -1 -1 -2 -1 -1 0 0 0 1 1 1 1	1 0 0 -1 -2 -2 -2 -2 -1 0 0 1 2 2 1	1 0 0 -1 -1 -1 -1 0 0 0 1 2 2 3 3 3	0 0 0 0 0 0 0 0 1 1 2 2 2 2 2 2 2 2 2	0 0 0 0 0 1 1 1 1 1 1 1 1 2 2

s	HEN	187	HERE

# (PRESSURE)/(ZONAL MEAN PRESSURE) - 1 (2)

KM LAT	LONG 80 -70 -	lTUBE 60 60 -50 -		LONGITUDE 30 W -80 -70 -60 -50 -40 -30	-20 -80	LONGITUDE 0 0 -70 -60 -50 -		LONGITUDE 30 E ) -70 -40 -50 -40 -30 -200E6
APRIL 18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	0 -1 0 -1 0 -1 0 -1	0 0 0 0 -1 -1 -1 -1 -1 -1 0 -1 0 0 0 0 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 1 1 0	0 0 -1 -1 -1 -1 -1 0 0 0 -1 -1 -1 -1 0 0 0 -1 -1 -1 -1 0 0 0 0	0 0	1 -1 -1 -1 1 -2 -2 -1 1 -2 -2 -1 0 2 -1 -1 0 0 1 1 0 0 1 1 0 1 2 3 0 1 2 3 0 1 2 3 0 2 3 3 0 3 4 3 1 3 4 4 1 4 5 4 1 4 5 5 1 5 6 5	-1 0 0 -1 -1 0 0 0 -1 0 0 0 0 -2 0 0 0 0 -2 1 0 0 0 -1 2 0 -1 2 0 -1 2 0 -1 2 0 -1 2 0 -1 2 0 -1 1 0 0 -1 2 0 -1 1 0 0 -1 2 0 -1 1 0 0 -1 2 0 -1 1 0 0 -1 2 0 -1 1 0 0 -1 2 0 -1 1 0 0 -1 2 0 -1 1 0 0 -1 2 0 -1 1 1 0 0 -1 1 0 0 0 -1 1 0 0 0 -1 1 0 0 0 -1 1 0 0 0 -1 1 0 0 0 -1 1 0 0 0 -1 1 0 0 0 0 -1 1 0 0 0 0 -1 1 0 0 0 0 -1 1 0 0 0 0 0 0 0 -1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -1 0 0 0 0 0 1 -2 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	-1 -2 -1 -3 -1 -2 -1 -3 -2 -3 -2 -3 -2 -3 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	-4 -25 -34 -34 -23 -1 -3 -1 -2 -1 -2 0 -1 1 -1 0 -2 0 -2 0 -2 0 -2 0 -3 0 -4 0 -2 0 -4 0 -5 0 -6 0 -6 0 -6 0 -6 0 -6 0 -6 0 -6 0 -6	0 -1 -1 0 1 0 0 1 0 0 1 0 0 1 1 1 1 1 1	-1 -2 -2 -1 0 -1 -2 -2 -2 -1 0 -1 -2 -2 -2 -1 0 -1 -2 -4 -3 -2 -1 0 -3 -4 -4 -2 -1 0 -3 -4 -5 -2 0 0 -2 -3 -4 -2 0 1 -2 -3 -3 -1 1 1 -2 -2 -2 0 1 1 -2 -2 -1 0 1 2 -2 -1 1 2 2 -2 -1 1 2 2 -2 -1 1 2 2 -2 -1 1 2 2 -2 -1 1 2 2 -2 -1 1 2 2 -2 -1 1 2 2 -2 -1 1 2 2 -1 -2 0 1 3 2 1 -2 0 2 3 2 1 -2 0 2 3 2 0 -1 0 2 3 1 0	0 -2 0 -2 0 -3 0 -3 1 -2 1 -2 1 -1 1 -1 1 -1 1 -1 0 -1 0 -1	2 -3 -2 -1 3 -4 -3 -1 3 -4 -3 -1 3 -4 -3 -1 2 -3 -3 -1 2 -2 -1 0 1 -1 0 1 1 0 1 1 1 0 1 2 1 1 2 2 1 1 3 3 1 1 3 3 1 1 3 3	0 0 0 -1 0 0 0 0 -2 0 0 0 0 -2 0 0 0 0 -2 1 1 0 -1 1 1 1 -1 1 1 1 0 1 1 1 0 1 1 0 1 1 0 0 1 1 0 0 1 1 -1 -1 0 -1 -1	-3 -2 -1 0 0 0 0 -3 -2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
JUNE 18 20 24 28 32 34 40 44 48 52 56 60 64 67 77 76 80	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 -1 - 2 -2 - 1 -1 - 1 -1 - 1 0 - 0 0 0 1 1 1 1 1 1 2 2 2	1 -1 -1 1 -1 0 1 -1 0 1 0 0 1 0 0 1 1 0 0 1 -1 0 1 -1 0 1 -1 0 0 -1 -1 0 0 -1 -1 0 0 -2 -2 0 0 -2 -3 0 -3 -3	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	-1 -2 -1 -2 -1 -2 -1 -2 -1 -2 -1 -2 -1 -1 -1 -1 -1 -2 -2 -2 -2 -2 0 -2 0	1 -3 -2 -1 -1 -3 -3 -2 -1 -3 -3 -2 -1 -1 -1 0 1 -1 0 2 0 1 2 0 1 2 0 0	1 -1 0 -2 1 -1 0 -3 1 -1 0 0 -3 1 0 0 0 -3 1 0 0 0 -2 1 1 0 -2 2 1 0 -1 2 1 0 -1 2 1 0 -1 1 1 0 -1 1 1 -1 -1 1 -1 -1 -1 1 -1 -2 -1 1 -1 -2 -1 2 -1 -2 -1	-3 -3 -1 0 0 0
JULY  18 20 24 28 32 36 40 44 48 52 56 60 64 68 77 72	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 -1 (1 -21 )	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 -1 -1 -1 -1 0 -1 -2 -2 -3 -1 -1 -1 -2 -3 -4 -2 0 1 -1 -2 -3 -3 -1 0 -1 -2 -2 -2 0 1 -1 -1 0 1 1 0 -1 0 1 2 2 0 0 1 2 3 4 2 0 1 3 4 4 2 1 1 3 4 4 1 1 1 3 3 3 1 1 1 1 2 3 3 3 1	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	-3 -4 -3 - -4 -5 -4 - -3 -5 -4 - -2 -4 -3 - -1 -2 -1 0 1 1 2 1 1 3 2 2 3 2 3 4 3 3 3 3 3 3 3 3 2 2 2 1 1	1 0 -1 -1 2 0 0 -2 2 0 0 -1	-3 -4 -2 -1 0 0 -4 -5 -3 -1 0 0 0 -4 -6 -3 -1 0 0 0 -1 -1 -1 1 1 0 0 0 0 0 0 0 0 0

VM 1ATA	LONGITUDE 60 E -80 -70 -60 -50 -40 -30 -20	LOMBITUDE 90 E -80 -70 -60 -50 -40 -30 -20	LONGITUDE 120 E -80 -70 -60 -50 -40 -30 -20	LONGITUDE 150 E -80 -70 -60 -50 -40 -30 -20068
APRIL				
18	-2 -2 -2 -1 0 0 0	-1 -2 -2 -1 0 0 0	-1 -1 -1 0 0 0 0	0 0 1 1 0 0 0
20	-2 -2 -2 -1 0 0 0 -2 -2 -2 -1 0 0 0	-2 -2 -2 -1 0 0 0 -2 -2 -1 -1 0 0 0	-1 -1 0 0 0 0	1 1 1 0 0 0
24 28	-2 -2 -1 0 0 0 0	-1 -1 0 0 0 0 0	0 0 1 0 0 0	1 1 1 0 0 0 0
32 36	-1 0 1 1 1 0 0	_1 0 1 1 0 0 0	0 0 0 0 0 0	0 0 0 -1 -1 0 0
40 44	0 1 2 1 1 0 -1	0 0 1 0 0 0 0	0 0 0 0 -1 0 0	0 0 -1 -1 -1 0 0
48 52	0 1 2 2 1 0 -1	0 1 1 0 0 0 0	0 0 0 -1 -1 0 0	0 -1 -2 -2 -1 0 0
56 40	1 2 3 2 1 0 -1	1 1 0 0 -1 -1 -1	0 -1 -1 -2 -1 -1 0	-1 -1 -3 -2 -2 0 0 -1 -2 -3 -3 -2 0 0
64 68	1 2 2 2 0 -1 -1	1 0 -1 -1 -1 -1 -1	0 -2 -3 -3 -2 -1 0	-1 -3 -4 -3 -2 0 0 -2 -3 -4 -4 -2 0 1
72	1 1 2 1 0 -1 -2	1 -1 -1 -2 -2 -1 -1	-1 -3 -4 -4 -3 -1 0	-2' -3 -4 -4 -2 0 1 -7 -3 -4 -4 -2 0 1
76 80	0 1 1 0 -1 -1 -2	0 -2 -2 -3 -2 -2 -1	-2 -4 -4 -4 -3 -1 9	•
, TAN		•		0 0 1 0 0 0 0
18	0 -1 -1 0 0 0 0		0 1 1 0 0 0 0	1 1 1 0 0 0
20 24	-1 -1 0 0 0 0	0 1 1 1 0 0 9 0 0 2 2 1 0 0 0	1 2 2 1 0 0 0 2 3 4 2 1 0 0	2 4 4 2 1 0 0
28 32	-1 0 0 1 0 0 0 -1 0 1 1 1 0 0	1 2 3 2 1 0 0	2 4 4 3 1 0 0	2 4 5 3 1 9 -1
36 40	0 1 1 1 1 0 0	2 2 3 2 1 0 0	2 3 4 3 1 0 -1 2 3 3 2 1 0 -1	2 3 3 2 0 -1 -1
44	1 1 2 1 1 0 0	2 3 3 2 1 0 0	2 3 3 2 1 0 -1 3 3 3 2 0 0 -1	2 2 2 1 0 -1 -1
52 56	2 2 2 1 0 0 2 3 2 1 1 0 0	3 3 3 1 1 0 0	3 3 2 1 0 0 0 0 3 3 2 1 0 0 0	2 1 1 0 -1 -1 -1
60	2 3 2 1 0 0 0	, 3 3 2 0 0 0 0	3 3 1 0 0 0 0	2 1 0 -1 -1 -1 -1 2 1 0 -1 -1
64 68	2 3 2 0 0 0	3 3 1 -1 0 0 0	3 2 0 -1 0 0 0	1 1 0 -1 -1 0 0
72 76	2 2 1 0 -1 -1	1	2 2 0 -1 0 0 0 2 1 0 -1 0 0 1	
3WWE <b>3</b> 0	1 2 0 -1 -1 -1	, .		
18	-2 -2	0 -1 -1 -2 -1 0 0 0		1 1 1 1 0 0 0
20 24	-2 -2 -2 -1 0 0	0 -1 -1 -1 0 0 0 0	001110	1 2 2 1 1 0 0
28 32	-2 -1 -1 0 1 0	0 -1 -1 0 1 0 0 -1	0 0 0 0 0 -1 -1	1 1 1 0 0 0
36 40	-1 -1 0 1 1 0	0 0 0 -1 0 -1 -1 -1	0 0 -1 -1 -2 -1 -	1 1 0 -1 -1 -1 0
44 48	-1 0 0 1 1 0	0 0 0 -1 -1 -1 -1 -1 -1	0 0 -1 -2 -2 -2 -	0 0 -1 -2 -2 -1 0
52 54		0 0 -1 -1 -1 -1 -1	0 -1 -2 -3 -3 -1	0 -1 -1 -2 -3 -2 0 1
60 64	0 1 1 1 0 0	0 0 0 -2 -2 -2 -1	1 -2 -3 -4 -3 -1	1 -1 -2 -3 -3 -1 1 2
68 72	-1 1 V V -1 '	4 -1 -1 -2 -3 -3 -1	-1 -3 -4 -4 -3 0	
76 80	-1 4 4 4		0 -1 -3 -4 -5 -3 0	1 -1 -2 -3 -4 -1 3 3
JULY			0 -1 0 0 0 0	0 -1 0 1 2 0 0 0
18 29	0 -3 -4 -2 0 0	0 -1 -2 -2 -1 0 0	0 -1 0 1 1 0 0	0 0 2 4 4 2 1 0
24 28	-2 -3 -4 -1 0 0 -1 -2 -2 0 0 0 0 0 1 2 2 0	0 -1 0 2 3 2 0	0 0 1 5 5 3 1	0 2 3 3 2 0 0
32 34	0 0 1 2 2 0 1 2 3 4 3 1	0 1 2 5 7 4 1	0 0 2 5 5 3 0	0 0 0 -1 -2 -2 -1
40	2 3 4 6 4 2 2 4 5 6 4 2	1 1 3 6 7 4 1	0 1 2 3 3 1 -1	-1 0 0 -1 -2 -3 -2 -1 -1 0 -1 -2 -3 -4 -3 -1
44	2 4 6 7 5 2	1 2 4 6 6 4 1	0 1 2 3 2 0 1	-1 0 -1 -2 -4 -4 -3 -2 -1 0 -1 -3 -4 -5 -3 -2
52 56	3 5 6 7 4 1	1 2 4 6 6 3 0	2 2 2 -1 -2	1 0 -1 -2 -4 -5 -3 -1
40 64	3 5 6 6 2 0	0 3 4 6 6 2 0	1 2 2 2 0 -1	1 -1 -2 -3 -4 -4 -2 -1
6 <b>0</b> 72	4 5 6 5 2 0 4 5 5 5 1 0	3 4 4 4 2 0	0 1 2 3 3 0 -1	1 -1 -2 -1 -1 -1 -1
76 80	4 3 5 5 1 0 3 5 5 2 0	0 3 4 6 6 2 0 0 0 2 4 7 7 3 0	0 1 2 4 4 1 -1	6 -1 -2 -3 -4 -4 -4

ME		

#### (PRESSURE)/(ZONAL MEAN PRESSURE) - 1 (2)

KM LAT=	-80				80 D		-20	-80				50 - -40	-30	-20	-80			DE 1 -50			-20	-80			DE 9	0 W	- 30	20 <b>3</b> E6
AUGUST																												
18 20 24 28 32 34 40 44 48 52 56 40 64 64 68 77 77 76	0 1 4 4 3 3 3 3 2 2 1 1 1 2 2 3 3 4	-1 1 5 5 4 3 2 1 0 0 -1 -1 -1 -1 0 0	-1 1 3 4 3 1 -1 -2 -3 -4 -5 -5 -5 -5 -4 -4 -4 -4	-1 0 2 3 2 0 -2 -3 -4 -4 -5 -5 -5 -5 -5 -5	0 0 1 1 1 0 -1 -2 -3 -3 -3 -3 -2 -2 -2 -3 -3	0 0 0 1 0 0 -1 -2 -2 -2 -2 -1 -1 -1 -1	0 0 0 0 0 -1 -1 -1 -1 0 0	2 3 4 3 2 2 1 1 0 0 0 0 1 2 3 4 5 5	2 4 5 4 2 1 0 -1 -2 -2 -2 -2 -2 -1 0 2 3	3 3 4 3 0 -2 -3 -4 -5 -5 -5 -5 -4 -3 -2 -1 -1	2 2 2 1 -1 -3 -4 -5 -5 -5 -5 -4 -4 -3 -3 -2 -2	1 1 1 0 -1 -2 -3 -4 -4 -4 -3 -3 -2 -2 -2 -1 -1	1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1	3 3 3 2 1 0 0 -1 -1 -1 -1 0 1 2 3 4 5	5 5 4 2 0 1 -2 -3 -3 -3 -2 -2 0 1 3 4 6	6 5 3 0 -2 -3 -4 -4 -4 -3 -3 -2 0 1 3 4 5	4 3 1 -2 -4 -5 -5 -4 -4 -3 -2 -1 1 2 3 4 4	2 0 -1 -3 -3 -3 -2 -2 -1 0 1 1 2 3 4	1 1 0 0 0 -1 -1 -1 -1 0 0 1 1 1 2 2 3	0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 1 0 -1 -1 -2 -2 -2 -2 -1 0 1 2 3 3	5 4 1 -1 -2 -3 -3 -3 -3 -2 -1 0 2 3 5 6 7	5 4 1 2 3 3 3 3 2 2 1 1 2 4 6 7 8 8	3 2 0 -3 -4 -3 -2 -1 1 2 4 5 7 9	1 1 0 -2 -2 -2 -1 0 0 1 2 3 4 5 6 6 7	1 0 0 -1 -1 0 0 1 1 2 2 2 3 3 3 4	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SEPTEMPE	ER						•																					
18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 72 74	0 1 2 1 0 -1 -2 -2 -3 -4 -4 -5 -5 -5	5 5 5 4 2 1 0 -1 -2 -3 -4 -5 -6 -6 -6	7 7 7 5 3 2 1 0 -1 -2 -3 -4 -4 -5 -5 -4 -4	5 5 4 3 2 1 0 -1 -1 -1 -2 -3 -3 -4 -4 -3 -3	3 3 2 2 1 0 -1 -1 -1 -1 -2 -2 -2 -2 -2 -2 -2	111000000000000000000000000000000000000	f	1 2 1 -1 -2 -3 -4 -5 -6 -6 -5 -5 -4 -4	5 5 4 1 -1 -3 -4 -5 -5 -5 -6 -7 -7 -7 -6 -6 -5	7 6 4 1 1 -1 -2 -3 -3 -4 -4 -4 -5 -5 -7 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	5 4 3 1 -1 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	3 2 1 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	f 1 1 0 0 0 0 0 1 1 1 1 1 1 2 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 2 2 2	2 2 -1 -3 -4 -5 -6 -6 -6 -6 -6 -3 -2 -2	4 4 4 0 -2 -4 -6 -7 -7 -7 -7 -7 -6 -6 -5 -4 -3 -3	5 3 0 -3 -5 -5 -6 -5 -5 -4 -4 -3 -2 -2 -1	3 2 0 -2 -4 -4 -4 -3 -3 -2 -2 -1 -1 0	2 1 0 -1 -2 -2 -2 -1 -1 0 0 0 1 1	1 0 0 0 1 1 1 1 2 2 2 2 3	0 0 0 1 1 1 1 1 1 2 2 2 2 2 2 2 2	3 2 -2 -3 -4 -5 -6 -5 -5 -4 -3 -2 -1 0	3 2 -2 -5 -6 -7 -7 -7 -6 -6 -5 -4 -2 -1 0 0 1	3 1 -2 -5 -6 -6 -6 -5 -4 -3 -2 -1 0 1 2 2 3	2 1 -2 -4 -5 -5 -4 -3 -2 -2 -1 0 1 2 3 3	1 0 -1 -2 -2 -1 0 0 1 1 2 2 3 3	0 0 -1 -1 0 0 1 1 1 1 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
OCTOBER																												
18 20 24 28 31 34 40 44 48 52 56 60 64 64 68 72 76 80	3 4 5 5 4 4 3 3 3 2 2 2 1 1 1 1 7 2	5 6 7 8 7 7 6 5 4 3 2 1 1 1 2 2	6 6 7 8 8 7 6 4 3 2 1 1 0 0 1 1	3 4 4 5 4 4 3 2 1 0 1 -1 -1 -1 0 0	2 2 2 2 2 2 1 1 0 0 -1 -1 -1 0 0 0	111111111111111111111111111111111111111	0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 1 1 1 1 1	4 4 4 4 3 3 2 2 2 2 1 1 1 1 0 1 1 2 2	7 7 7 7 7 6 5 5 4 4 4 3 2 2 3 3 3 4	7 7 7 7 7 4 5 5 5 4 4 3 2 2 2 2 3 3 4 4	4 4 4 4 3 2 2 2 1 1 0 0 0 0 0 1 1 2 2 2	2 2 2 1 1 0 0 0 0 0 1 1 1 1	1 1 1 0 0 0 0 0 0 0 0 0 1 1 1 1 2 2	0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 3 2 1 1 1 0 0 0 0 0 0 0 1 1 1	665322222222222333	6 5 4 3 2 1 1 1 1 1 1 1 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 3 2 1 0 0 0 0 0 0 0 1 1 1 2 2	2 2 1 0 0 -1 -1 -1 -1 0 0 0 1 1 3 1	000000000000000000000000000000000000000	0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 0 0	3 2 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	3 3 0 -1 -2 -2 -2 -2 -1 -1 0 0 0	2 1 -1 -2 -3 -3 -3 -2 -2 -1 0 0 0 1 1	1 1 0 -2 -3 -3 -2 -2 -1 -1 0 0 0 1 1	1 0 0 -! -1 -2 -2 -1 -1 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 1 1 1 1 1 0 0 0
NOVEMBER	₹																											
18 20 24 28 32 34 40 44 48 52 56 60 64 64 68 72 72 80	1 1 2 2 1 0 0 -1 -1 -1 -2 -2 -2 -2 -2	1 2 2 2 1 0 -1 -1 -2 -2 -2 -2 -2 -2 -2 -2 -2	2 2 2 2 1 0 -1 -1 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	2 2 1 1 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	1 1 0 0 0 0 0 0 -1 -1 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 1 1 0 0 -1 -1 -1 -1 -1 -1 0 0	2 2 1 1 0 0 0 0 -1 -1 -1 0 0 0 1 1	2 2 1 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1	1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	2 2 1 0 0 0 0 0 1 1 1 1 2 2 2 2	2 0 0 -t -1 0 0 1 1 1 2 2	2 1 0 0 -1 0 0 0 1 1 1 1 2 2 2 2	1 2 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 2 2 2 2 2 2	2 1 0 -1 -1 -1 0 1 1 2 2 2 2 3 3 3	21-1-2-1 0 1 1 1 2 2 2 2 2 3	1 5 0 -1 -1 -1 0 1 1 2 2 2 2 2 2 2 2	000000000000000000000000000000000000000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

MF		c	۰		e

## (PRESSURE)/(ZONAL MEAN PRESSURE) - 1 (2)

KM LAT=	-80		61TU -60			-30	-20	-80	LON -70		DE 3 -50		-30	-20	-80	LON -70		DE 0 -50	_		-20	-80			DE 3 -50		-30	-20DE6
AUGUST																												
18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 76 80	1 1 -1 -2 -2 -2 -2 -2 -2 -1 0 1 1 2 2 2	2 1 -2 -3 -3 -3 -3 -2 -1 0 1 2 3 4 5 5	2 1 -2 -3 -3 -2 -1 -1 0 1 3 4 6 7 7 7	0 6 -1 -2 -2 -1 0 1 2 3 4 5 7 8 8 8 8	0 0 -1 -1 0 1 1 2 3 3 4 4 5 5 5 5	0 0 0 0 0 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0	-1 -1 -3 -3 -3 -3 -2 -2 -1 -1 -1 0 0	-2 -2 -4 -4 -3 -3 -2 -2 -1 0 1 ‡ 2 2	-2 -2 -3 -3 -2 -1 0 0 1 2 3 3 4 4 4 3 3 2	-1 -1 -1 -1 0 1 2 3 3 3 3 3 3 3 3 3 3 3 2 2	-1 -1 0 0 1 2 3 3 3 3 2 2 2 1 1 0 0	-1 -1 0 0 1 1 1 2 1 1 1 0 0 -1 -1 -2 -2	-1 -1 0 0 0 1 1 0 0 0 0 0 -1 -1 -2 -2	-2 -3 -4 -3 -3 -2 -2 -1 -1 -1 -1 -2 -3 -3	-3 -4 -5 -4 -3 -2 -1 0 0 1 0 -1 -2 -3 -5	-3 -3 -3 -3 -2 -1 0 1 1 2 1 0 0 -1 -2 -3	-1 -1 0 1 2 2 2 2 1 0 -1 -2 -3 -3 -4	-1 -1 0 1 1 2 2 1 1 1 0 -1 -3 -4 -4 -5 5	-1 -1 0 0 1 1 1 1 0 0 0 -1 -2 -3 -3 -4 -4	-1 0 0 0 0 0 0 0 0 0 0 -1 -1 -2 -2 -3 -3	-2 -3 -3 -2 -2 -2 -1 -1 -1 -1 -2 -3 -4 -5	-3 -4 -4 -3 -2 -1 0 1 1 0 -1 -3 -4 -5 -6	-2 -2 -3 -2 -1 0 1 2 2 2 1 0 -1 -2 -3 -4 -4	0 0 1 1 1 2 1 0 2 - 3 - 4 - 5 - 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SEPTEMBI		_		_																		_		_	_	_		
18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 74 80 80	2 1 -2 -3 -4 -4 -4 -3 -3 -2 -1 0 1 2 2 3	2 0 -4 -5 -6 -6 -5 -4 -3 -2 -1 1 2 3 4 5 5	1 -1 -4 -6 -6 -5 -4 -3 -2 0 1 3 4 5 6 6 7	0 -1 -3 -4 -4 -4 -2 -1 -1 0 1 3 4 5 5	0 -1 -2 -2 -2 -1 -1 0 1 1 2 2 3 3 3 4 4	-1 1 -1 -1 -1 0 0 1 t 1 1 2 1 1 f 2 2	0 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0	1 0 -2 -2 -2 -1 -1 -1 0 1 1 2 3 4 4 4	0 -2 -4 -4 -3 -2 -1 0 2 3 5 6 7 7 7	-1 -2 -4 -5 -4 -3 -1 0 1 2 4 5 7 7 8 8	-2 -3 -3 -3 -2 -1 0 1 2 3 4 5 6 6	-1 -1 -2 -2 -1 0 0 1 2 2 2 3 3 3 3 3	-1 -1 -1 -1 0 0 1 1 1 1 1 1	-1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -2 -2 -1 0 1 2 3 3 4 4 5 5 5 5	-3 -4 -2 -1 1 2 3 4 4 6 7 7	-4 -4 -3 -0 1 2 3 3 4 5 6 6 6 6 5 5	-4 -3 -3 -2 -1 0 1 2 2 3 3 4 4 4 4 4	-2 -2 -2 -1 0 0 1 1 2 2 2 2 2 2 2 2 2 2 2	-1 -1 -1 0 0 0 0 0 1 1	0 0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1	-2 -1 1 2 3 4 5 5 6 6 6 6 5 5 4 4	-6-53 0 2 3 5 5 5 6 6 6 6 6 5 4	-7 -6 -4 -1 1 2 3 3 3 3 3 3 3 2 2 1	-5 -4 -3 -1 1 2 2 2 2 2 2 2 1 1 1 0	-2 -2 -1 0 0 1 1 1 1 1 1 1 1 0 0	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
OCTOBER																												
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 72 74	0 -2 -3 -3 -3 -3 -2 -2 -1 -1 -1	-1 -2 -4 -5 -6 -6 -5 -5 -4 -4 -3 -2 -2 -2	-1 -2 -5 -6 -7 -7 -6 -6 -5 -4 -3 -2 -2 -2 -2	-1 -2 -3 -4 -5 -5 -4 -4 -3 -2 -2 -1 -1 -1 -1	-1 -1 -2 -2 -2 -2 -2 -1 -1 -1 0 0 0 0 0	-1 -1 -1 -1 -1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	-2 -3 -4 -4 -4 -3 -3 -3 -2 -2 -1 -1 -1 -1	-4 -5 -7 -7 -7 -6 -6 -5 -4 -3 -2 -2 -2	-4 -5 -7 -8 -8 -7 -6 -5 -4 -3 -2 -1 -2 -2 -2 -3	-3 -4 -5 -5 -5 -4 -3 -2 -1 0 0 0 -1 -1	-2 -2 -2 -2 -2 -1 -1 0 0 0 0 0 0	-1 -1 -1 -1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	-3 -4 -4 -4 -3 -3 -3 -2 -1 -1 -1 -1	-5 -6 -7 -6 -6 -6 -7 -4 -3 -2 -1 0 0 -1 -1	-5 -6 -7 -6 -5 -4 -3 -2 -1 0 1 1	-3 -4 -4 -4 -3 -2 -1 0 1 1 1 1 0 0	-2 -2 -2 -2 -2 -1 0 0 1 1 1 1 1 0 0 0	-1 -1 -1 -1 0 0 0 0 0 0 0 0 -1 -1 -1 -1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1	-4 -4 -4 -3 -2 -2 -1 -1 -1 0 0 0	-5 -6 -5 -4 -3 -2 -1 -1 0 0 1 1	-5 -5 -4 -3 -2 -1 0 1 2 2 2 2 2 2 1	-3 -3 -3 -2 -2 -1 0 1 2 2 3 2 2 2 1 1	-1 -1 -1 -1 0 0 1 1 1 1 1 0 0	0 0 -1 0 0 0 0 0 0 0 -1 -1 -1	0 0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1
HOVEMBE	₹																											
18 20 24 28 32 34 40 44 48 52 56 60 64 48 85 72 74	0 0 -1 -1 -1 0 0 1 1 2 2 2 2 2 2 3	1 0 -1 -2 -2 -1 0 1 2 2 3 3 3 3 3 3 3 3	1 0 -2 -2 -2 -1 0 0 1 2 2 2 2 2 1 1	0 -1 -2 -2 -1 0 0 1 1 1 1	-1 -1 -1 0 0 0 0 0 1 1 1 0 0 0	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -1 -1 -2 -1 -1 0 1 1 1 2 2 2 2 2 2	-1 -1 -2 -2 -2 -1 0 1 2 2 2 2 2 2 2 2	-1 -1 -2 -3 -2 -1 0 0 1 1 2 2 1 1 1	-1 -1 -2 -2 -1 -1 0 0 0 0 0 0	-1 -1 -1 -1 -1 0 0 0 0 0 0 -1 -1	-1 -1 0 0 0 0 0 0 0 0 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -2 -2 -1 -1 0 0 1 1 1 1	-2 -3 -2 -1 0 1 1 2 2 2 2 2 2	-2 -2 -3 -2 -2 -1 0 1 1 1 1	-	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -2 -2 -1 -1 -1 0 0 0 0 0 0	-2 -2 -1 -1 0 1 1 1 1 1	-3 -2 -1 0 0 1 1 1 1 1 1	-2 -1 -1 0 0 0 0 0 0 0	-1 -1 0 0 0 0 0 -1 -1 -1 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

S HENTSPHERE											
	•	D	E	ш	8	C	1	2	c	ш	c

というので聞からなりなりなりは同様であ

## (PRESSURE)/(ZONAL MEAN PRESSURE) - 1 (I)

RM LAT-	-80			DE 66		30 -	20	-80	LON1 -70		E 90		-30 -	20	-80 -			E 12		30 -	-20	-80 -		UT16			30 -	20 <b>3</b> E6
AUGUST																												
18 20 24 28 32 36 40 44 48 52 56 64 68 72 76 80	-1 -2 -3 -2 -1 -1 0 0 0 0 -1 -2 -3 -4 -5	-1 -2 -3 -2 -1 0 1 2 2 2 1 0 -1 -2 -3 -3 -2 -1 0 1 2 2 2 1 0 -1 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	-1 -1 -2 -1 0 1 2 3 3 3 2 1 0 -1 -2 -3 -3	0 0 -1 -1 0 0 1 2 2 2 1 -1 -2 -2 -3 -3	0 0 0 -1 -1 -1 0 0 0 -1 -2 -3 -3 -2 -2	0 0 0 0 0 -1 -1 0 0 0 0 0 -1 -1 -1 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 1 1 2 2 2 1 0 -1 -1 -2 -3 -4	-1 -1 0 1 2 3 3 3 3 2 1 0 -1 -2 -2 -2	1 0 2 3 3 4 4 4 4 3 2 1 0 -1 -1	-1 0 0 1 1 2 3 3 2 2 1 1 0 0 0	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 2 2	0 0 0 0 0 0 0 1 1 1 1 1 1 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1	-1 -1 1 2 2 3 3 3 3 2 2 1 1 0 0	-2 -1 1 2 3 4 4 4 4 3 2 1 0 0 -1 -1	-3 -2 1 3 4 4 4 3 3 2 1 0 0 -1 -2 -2 -2	-	-1 -1 0 1 1 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 1 1 2 2 2 2 2 2 2	000000000000000000000000000000000000000	-1 0 2 3 3 3 3 3 3 2 2 1 1	-2 -1 3 4 5 4 4 3 2 2 1 0 0 -1 -1 -1 -1	-3 -1 2 4 5 4 2 1 0 -1 -2 -3 -3 -4 -4 -4	-2 -1 1 3 4 3 1 0 -1 -2 -2 -2 -2 -3 -3 -3 -3 -4	-1 -1 1 2 2 2 1 0 0 0 -1 -1 0 0 0 0 0 +1	-1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SEPTEMB	R						•																			,		
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	-2 -2 0 2 4 5 5 6 6 6 6 5 4 3 3 2	-6 -5 -1 2 4 5 6 6 6 5 5 4 4 3 2 2 1	-7 -6 -2 ! 3 4 4 3 3 2 1 1 0 -1 -2 -2	-5 -4 -2 1 2 3 3 2 2 1 1 0 0 -1 -2 -2 -2	-2 -2 -1 0 1 1 1 0 0 0 0 0 0 -1 -1 -1 -1 -2	-1 -1 0 0 0 0 -1 -1 -1 -1 -1 -2 -2 -2	0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	-2 -1 1 3 4 5 5 6 5 5 4 4 4 3 2 1	2 1 0 -1	-5 -3 0 3 5 5 5 5 4 3 2 1 0 -2 -2 -3 -3 -4	-3 -2 1 3 4 4 3 2 1 1 0 -1 -2 -3 -3	-1 -1 0 1 2 2 1 0 0 -1 -1 -1 -2 -2 -2 -2 -3	0 0 0 0 0 -1 -1 -1 -2 -2 -2 -2 -2 -2	0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1	-1 0 2 3 4 4 4 4 4 3 2 1 0 -1 -2 -2	-1 0 3 5 5 5 5 4 4 3 1 0 -1 -2 -3 -3 -3 -3	0 1 4 6 6 6 5 4 3 2 0 -1 -2 -3 -4 -4 -4	0 1 3 4 5 4 3 2 1 0 -1 -2 -3 -3 -3 -3	0 1 1 2 2 2 1 0 -1 -1 -2 -3 -3 -3 -3	0 0 1 1 0 0 0 -1 -1 -2 -2 -2 -2 -2 -2 -2 -2	0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1	-1 1 2 2 2 2 1 1 1 0 -1 -2 -3 -4 -4	3 4 5 5 5 4 3 2 1 0 -1 -2 -4 -5 -5 -5	5 6 6 7 6 5 4 3 2 1 -1 -2 -3 -4 -4 -4 -4	4 4 5 5 4 3 2 1 0 0 -1 -2 -3 -4 -3 -3	2 2 2 2 2 1 0 0 -1 -2 -3 -3 -3 -3 -3	1 1 1 0 0 -1 -1 -1 -1 -1 -1 -1	000000000000000000000000000000000000000
OCTOBER																												
19 20 24 28 32 34 40 44 48 52 56 60 64 68 72 76	-33-33-22-11-11-11-11-11-11-11-11-11-11-11-11-	-4 -4 -3 -2 -1 0 0 1 1 1 1 1 1 1 0 0 0 0	-4-4 -4-3 -1 0 1 1 2 2 2 2 2 2 2 1 1	2 2 2 2 1 1 1	-1 -1 0 0 1 1 1 1 1 1 0 0 0 0 0 0 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-22 -22 -11 00 11 11 11 11 11 11 11 11 11 11 11 1	-2 0 1 2 2 2 1 1 1 1 0 0	-3 -2 0 1 2 3 2 2 1 1 0 0 -1 -1 -1 -1	-2 -1 0 2 2 3 3 2 2 2 1 1 0 0 0 -1 -1 -1	-1 0 0 1 1 1 1 1 1 0 0 0 0 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 -1 -1 -1 -1 0 0	-1 0 2 3 3 3 3 2 2 2 2 2 1 1 0 0	-1 0 3 4 4 4 3 2 2 1 0 -1 -1 -2 -2 -2 -2	-1 0 3 4 5 4 3 2 1 0 -1 -2 -3 -3 -3 -3 -3	0 0 2 3 4 3 2 1 1 0 -1 -2 -2 -2 -2	0 0 1 2 2 2 1 1 0 0 -1 -1 -1 -1 -1 -1	0 0 1 1 1 1 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 2 4 4 4 4 3 3 3 3 2 2 1 1 1 1	2 3 6 7 7 6 5 4 3 2 1 0 -1 -1 -1 0	2 3 6 7 7 6 4 3 2 0 -1 -2 -2 -2 -2 -2 -2 -2 -2	1 2 3 4 4 4 4 3 1 0 0 -1 -2 -2 -2 -2 -2 -2	1 1 2 2 2 2 2 1 0 0 -1 -1 -1 -1 -1 -1	1 1 1 1 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1 1 1
NOVEMBE															0			0	0	o	0		1	,	,	0	0	0
18 20 24 28 32 36 40 44 48 52 36 60 64 68 72 76	-1 -1 -1 0 0 0 0 0 0 0 0 0 0 0	-2 -1 0 0 1 1 0 0 0 0 0	0000	-1 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	0	0 0 0 0 0 0 0 1 1	-1 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3	2 2 1 0 0 -1 -1 -1 -1 -1 -1	2 2 1 0 0 0 0 0 -1 -1 -1	1 0 0	0 0 0 0 0 0 0 0	0	0 0 1 1 1 1 0 0 -1 -1 -1 -1 -1 -1 -1	0 1 2 2 2 1 0 -2 -2 -3 -3 -3 -3 -4	-3 -3	1 2 2 2 1 0 0 -1 -1 -1 -1 -1 -1 -1	1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		000000000000000000000000000000000000000	1 2 2 2 1 1 0 0 -1 -1 -1 -1 -2 -2 -2 -2 -2 -2 -2	1 2 3 2 1 0 -2 -3 -3 -3 -3 -3 -3	2 3 2 1 0 -2 -3 -3 -3 -3 -3 -3 -3	1 2 2 1 1 0 -1 -1 -1 -2 -2 -2 -2 -2	1 1 1 0 0 0 0 -1 -1 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000

N	HEN	199	HF	RF

## (PRESSURE)/(ZONAL MEAN PRESSURE) - 1 (%)

						DE 8				LONG									DE 1:		70	90	20			E 90		70	BOBEG
KM LAT=		30	40	5	0 6	0 7	70 (	80	20	30	40	50	60	70	80	20	30	10	30	•0	70	80	20	30	••	30	•	′•	00000
SEPTEMBE	R														_					0	0	0	0	0	0	0	٥	٥	0
18 20	0	1	1		1	1	1	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	ō	0
24 28	0	1	1		1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	Ó	Ö	0	0	0	0
32 36	1	1	1		1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ŏ
40 44	1	1	1		1 0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō	0	0
48 52	1	1	1		0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 40	1	1			0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
64 68	1	1 1			0	0 Q	0	0	1	1	1	1	0	0	-1 -1	0	1	0	1	1	0	0	0	0	0	0	0	ŏ	0
72 76	1	1		f 1	0	0	0	0	1	1	1	1	0	0	-1	1	1	1	1	0	0	-1 -1	0	1	0	0	0	0	0
80	ŧ	ŧ	•	3	Q	Q	t	٥.	1	2	1	1	0	1	0	1	2	1	1	0	0	-,	v	'	٧	٠	٠	,	•
DETOBER																				0	0	0	0	0	0	0	0	0	٥
1 B 2 Q	0	1		1 1	0	0	0 1	0	0	1	1	1	1	1	0	0	0	1	1 1	1	0	0	0	Č O	0	Ö	0	0	ò
24 28	0	0	1	1 1	2 3	4	2	1 2	0	0	1	2	3	3	2	0	0	0	0	1	1	i	0	0	-1 -1	-1 -2	-1 -2	0 -2	0 -1
32 36	0		)	1 1	3	6 7	8	3 5	0	0	0	1	3	4	3	0	0	-1 -1 -2	-1 -2 -3	-2 -3	0 -2	0 -1	o o	Ö	-2 -2	-4 -5	-5 -7	-4 -6	-2 -3
40 44	0	-1		0	3	7	8	5 5	0	-1	-1 -2	0 -1	1	3	2	0	-1 -1	-2 -3	-4 -5	-5 -5	-3 -4	-2 -2	0	0	-2 -3	-6	-8 -8	-7 -8	-4 -5
48 52	9	-1	-		2	6	8 7	5 4	0	-1 -1	-2 -2	-2 -2	-1	0	1 0	0	-1 -1	-3	-5	-6 -6	-5	-3 -3	1	0	-3 -3	-7 -7	-9 -9	- 8 - 8	-5 -5
56 40	0	- 1	-	1	1	5	5	4	0	-1 -1	-2 -3	-3 -3	-1 -2	-1	0	0	-1 -1	-4 -4	-6 -6	-6 -6	-5	-3	1	0	-3 -3	-7 -7	-9 -8	-7 -7	-5 -5
64 68	0		-	1 2	0	3	5	4	0	-1 -1	-3 -3	-3	-2 -2	0	0	0	-1 -1	-4	-6	-6	-4	-3	1	0	-3 -2	-6 -6	-8 -7	-6 -5	-4 -4
72 76	0	-!	۱ -		0	3	4 5 5	3	0	-1 -1 0	-3 -3 -2	-3 -3 -3	-2 -2 -1	1	1	0	ò	- 3	-5	-5	- 3		1	0	-2 -2	-5 -5	-7 -7	-4 -4	-3 -3
80 NOVENBE		, -	-	•	0	3	3	2	v	٧		- 3	•	•	·														
18	٠,		2	2	ŧ	1		1	0	1	2	2	3	2	ı	0	0						-1	0	0	1	1	1	1
20 24	1	1	2	2 2	2	2	2 5	1 3	0	1	2	3	4	3	2	0	0	0	2	- 4	5	4	-1	-1	-1	0	1 2	3	3
28 32	-	)	0 0	2 2	6	12	9	5 2	0	- j	1	5 5	9 11	10 13	6 8	0	- 1	-1	1	6	9	6	0		-1 -2		1	4 3 1	
36			1	2	9	14	15 15	8	-1 -1	-1 -2	0 -1	5 4	12 11	14	9 8	0 -1	- 2	? -2	2 0		5 8	5	0	-1	-3 -3	- 3	-1 -2 -3	-1 -2	0
44 48	- :	2 -	2	0	7	14	15 14	9 8	-1 -1	-2 -2	-1 -1	4	10 9	12 11	7	-1 -1	-2	? -2	. 0	. 3	5 4	3	0	-1	-3 -3	-4	-4	-3 -4	-1
52 56	-	2 -	2	0	6	13 12	14 13	8 7	-2 -2		-1 -2	3 2		10	6 5	-1 -1	- 7	2 -3	-1	(	) 1	1	0	-1	-3 -3	-5	-5 -6	-5 -6	-2
60 64	-	2 -	2 .	- 1 - 1	5	11	12	6 5	-1 -1	_	-2 -2	1		7 5		-1 -1	-1	-1	-3	-:	2 -1	. 0	0	- 1		-5	-7 -7 -7	-6	-3
48 72	-	1 -		0	3 2	8	9 8	5 4	-1 0		-1 -1	0				-1 0	-1	1 -2	2 -3	-1	3 -3	3 -1	0	-1	-2	-5	-7	-6	-3
76 80	-	1 -	ŧ	0	2	5	7	4	0		-1 -1	0				0							0						
DECEMBI																													
18		1	2	1 2	0 2	1	1	1 2	0		1 2	1				0			1 1			1 0 3 2	-1 -1		1	1	1	1	0
20 24		0	1	3	5	7	7	4	0	1	3	6	9	9		0			0 4	• !	8	7 4	0	-1	- 2	-1	1	- 7	2 2
28 32		0	0	4	11	16	15	8	-1 -1	-1	2	9	1 6	15	8	-1 -1						9 5	0	) -7	- 5	7	-5	-1	. Q
36 40	-	1 -	1	3	11	16	16	9 8	-1 -1	- 3	- 2	5	11	1.1	7	- ( - 1	- 1	3 -	6	4	1 .	3 2	(	) -:	! -7	-10	-1		-2
44 48	-	1 -	2	0	7	14	13	8	- 1 - 1	- 3	-4	0	6	, 7	5	-1 -1	٠ -	3 -	7 -	7 -		2 0	(	- '	-6	-10	-10	- :	7 -3
52 56	-	t		- !	5	10	11	8 7	-1 -1	-3	-5	-2	2	•	4	-1 -1	i -	3 - 3 -			5 - 5 -	3 0 3 -1		-	-	5 -9	-10	) -1	9 -4
60 64	-	1	2	-1 -2	3 2	7 6	9 8	7	-1 -1	-2	-4	- 2	! 1		3	(	0 -	2 -	6 -		5 - 5 -	3 -1 3 -1		) (		4 -7	-(	ļ	7 -4
68 72		0	١.	-2 -2	2	5			0	-2	-4	- 1	. 1		3	•		١ -	6 - 5 -	5 -		3 -1	1			4 -		<b>i</b> -	4 -4
76 80				-2 -1	2	5 5	7	5 5	č						3				6 -			1 0	,	1	-	4 -:		5 -	5 -3

MEN	 	

## (PRESSURE)/(ZONAL MEAN PRESSURE) - 1 (1)

K# LAT=	20		6 I T U		U 0.	70	80	20		61TU 40			70	80	20				) DE(	70	80	20			DE 3		70	80366
SEPTEMBE	R																						•	•	••	•		******
18 20 24 28 32 34 40 44 48 52 55 64 60 64 68 72 76 80	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 0 0 0 0 1 1 1	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1 0 0 0 0 1	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 0 0 0 0 0 0 0 0 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 1	000000000000000000000000000000000000000	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 -1 -1 -1 0 0 0 0 0	0 0 0 0 0 0 0 0 1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 -1 -1 -1	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 -1 0 0 0 0 0	0 0 0 1 -1 -1 -1 -1 0 0 0 0 0 0 0 0	0 0 0 0 1 -1 -1 -1 -1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
18 20 24 28 37 34 40 44 48 52 56 60 64 68 72 76 80 HOVENBER	0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1	-1 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1	0 0 0 0 0 -1 -1 -2 -2 -2 -2 -2 -1 -1 0	0 0 0 0 1 -2 -4 -5 -6 -6 -6 -6 -5 -5 -4 -4 -3	0 0 0 1 -3 -5 -7 -9 -9 -9 -9 -8 -7 -7	1 0 -1 -3 -5 -8 -9 -9 -9 -9 -7 -6 -5 -5	1 1 1 0 2 3 -5 -5 -6 -5 -5 -5 -5 -4	-1 -1 0 0 0 1 1 1 1 1 1	-1 -1 0 0 0 1 1 1 1 1 2 2 2 2 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 -2 -3 -4 -4 -4 -4 -3 -3 -3 -2 -1 -1	1 1 1 0 -3 -7 -7 -8 -8 -9 -7 -6 -5 -4 -4	2 1 0 3 -6 -7 -8 -8 -8 -7 -5 -4 -4	1 1 0 -4 -5 -5 -5 -4 -4 -4 -4 -4	-1 -1 0 0 0 0 0 0 0 1 1 1 1 1	-1 -1 0 0 0 1 1 1 1 1 2 2 2 2 2 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 2 2 2 2	1 1 0 -1 -1 -2 -2 -2 -1 -1 -1 0 1 1 1 2 2	2 2 1 -1 -3 -4 -5 -5 -5 -5 -4 -4 -4 -3 -2 -2 -2 -2 -2	2 2 1 -1 -3 -5 -6 -6 -6 -5 -5 -4 -4 -4 -3 -3 -3 -3	1 1 1 -1 -2 -3 -4 -4 -4 -3 -3 -3 -2 -3 -3 -3	000000000000000000000000000000000000000	-1 -1 0 0 0 0 1 1 1 1 1 1 1	-1 -1 0 0 0 1 1 2 2 2 3 3 3 3 3	0 0 -1 -1 -1 0 0 1 2 2 3 3 4 4 3 3	1 0 -1 -2 -3 -3 -3 -1 -1 0 1 1 1	1 1 -1 -2 -4 -4 -4 -3 -2 -1 -1 -1 -2 -2	1 0 0 -1 -2 -3 -3 -2 -1 -1 -1 -1 -1 -1 -1
18 20 24 28 32 31 40 44 48 52 56 60 64 68 72 72 76 80	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 0 0 0 0	0 0 -1 -1 -2 -3 -3 -3 -3 -3 -3 -3 -3 -2 -2 -1	-7	1 0 -1 -3 -5 -7 -8 -8 -9 -10 -10 -10 -7 -5	1 1 1 0 -2 -4 -6 -7 -8 -9 -9 -9 -9 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	1 1 1 0 -3 -4 -5 -5 -4 -4 -4 -3 -3	-1 -1 0 0 0 1 1 1 1 1 1 1	-T -1 0 0 0 0 0 0 1 5 1 1 1 1 1 1 1 1 1 1 1	0 0 -1 -1 -2 -2 -3 -3 -2 -2 -2 -1 -1 0 0	-7 -8 -8 -8	-11	-10 -11 -10	1 1 0 -2 -5 -6 -6 -6 -5 -4 -3 -2	-1 -1 0 0 1 1 1 2 2 2 2 2 2 1 1 1	-1 -1 0 0 1 1 1 2 2 2 3 3 3 2 2 2 2 2 2 2	0 0 -1 -1 -2 -2 -1 -1 -1 0 0 1 1 1 2 2 2	-7 -7 -7 -5	-11 -11 -11	-11 -11	1 0 -1 -4 -5 -6 -7 -6 -5 -5 -4 -4 -3 -2	-1 0 0 0 1 1 1 2 2 2 2 2 2 1 1	-1 -1 0 0 1 2 2 3 3 3 3 3 2 2 2 2 2 2 2	-1 -1 -1 -1 -1 0 0 1 2 2 3 3 3 2 2 3	0 -1 -2 -6 -5 -5 -3 -2 -1 0 0	-10 -10	01-47-110-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	9 -1 -3 -5 -6 -7 -7 -6 -5 -5 -4 -3 -2 -2 -2 -1
DECEMBER  18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 74 80	-1 -1 0 0 0 0 1 1 1 1 1 1 1	0 0 -1 -1 -1 0 0 1 1 2 2 3 3 3 3	1 0 -1 -3 -4 -4 -3 -3 -2 -1 0 0 1 1 2 2	-10 -9 -9 -8	-11	-1 -1 -3 -6 -8 -9 -9 -10 -10 -10 -9 -8 -8 -7	0 0 -1 -2 -3 -4 -5 -5 -6 -6 -6 -5 -5	-1 -1 0 0 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	-1 -1 0 0 1 2 2 3 4 4 4 4 4 5 5 5 5	1 0 -1 -3 -3 -2 0 1 2 3 4 4 5 6 6 7 7 7		1 0 -2 -6 -9 -10 -9 -8 -7 -6 -5 -4 -3 -2	0 0 - 3 - 6 8 - 9 9 - 9 9 - 9 8 - 7 - 6 5 - 5 - 4	0 -1 -3 -4 -5 -6 -6 -5 -5 -5 -4 -4 -4 -3	-1 -1 0 0 1 1 1 1 1 1 1 1 1 1 1	-1 -1 0 1 2 2 3 3 4 4 4 4 4 4 4 4 5	10-12-10245667788888	2 1 -2 -5 -5 -3 -1 0 2 3 3 4 5 5 5 5	3 1 -3 -6 -8 -7 -6 -5 -4 -3 -2 -1 0 1 1	1 0 -3 -6 -8 -9 -8 -7 -6 -5 -5 -4 -3 -2 -2 -2	0 0 -2 -4 -6 -6 -5 -4 -3 -3 -3 -3 -2	-1 0 0 1 1 1 1 1 1 1 0 0	-2 -1 -1 0 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 2	-1-21-01-23-44-55-55-55-55-55-55-55-55-55-55-55-55-	10354311234555555	2047-87-53-101233333	1047887543211000	0 -1 -3 -5 -6 -6 6 5 -4 -3 -3 -2 -2 -2

M	MER	16	PHE	BE

## (PRESSURE)/(ZONAL MEAN PRESSURE) - 1 (Z)

KN LAT=	20			DE 40 50		70 8	10	20	LONG	I TUĐ 40			70	80	20			DE 12 50		70	80	20			E 15		70	60 DE 6
SEPTEMBE	R																											
18 20 24 28 32 34 40 44 48 55 60 64 64 68 72 76 80	0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	-1 -1 -1 -1 -1 0 0 0 0 0 0 0 0 -1 -1 0 0	-1 -1 -1 -1 0 0 0 0 0 0 0 0	-1	0 0 -1 -1 -1 -1 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1	-1 -1 -1 -1 -1 0 0 0 1 1 1 1 1 0 0	000000000000000000000000000000000000000		1 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 1 1 1 1 1 0 0 0 0	0 -1 -1 0 0 0 1 1 1 1 1 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 1 1	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 1 1 1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 1 1	000000000000000000000000000000000000000
OCTOBER								_					- 1	_1			٥	-2	-2	-2	-1	1	1	1	~1	-1	-1	-1
18 20 24 28 32 36 40 44 48 52 56 60 64 64 72 76	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	-1 -1 0 1 1 2 2 2 2 3 3 3 3 3 2 2	4 4 5 5 5 5 5	-1 -3 -3 -3 -1 0 2 3 4 5 6 6 5 5	-1 -1 -2 -3 -3 -2 -1 2 3 4 4 3 2 1 0 -1	0 -1 -1 -2 -2 -1 0 0 1 1 2 2 2 2 2 2	0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 1 2 2 2 2 3 3 2 2 2 1	-2 -2 -2 -1 0 2 4 5 6 6 7 7 6 6 6 5 4 4	-2 -3 -3 -2 -1 2 5 7 8 9 10 9 8 7 6 6	-2 -3 -3 -1 1 4 6 8 9 9 8 7 6 5 3 2	-1 -1 -2 -1 1 2 3 4 4 5 4 4 4 4 3 3	1 0 0 0 -1 -1 -1 -1 -1 -1 -1	1 1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	t 1 1	-1 -1 2 4 5 6 7 7 7 6 5 4	-2 -2 0 3 6 8 10 11 12 12 11 10 9 8	-2 -2 -2 0 2 6 9 11 11 12 12 11 10 8 7 6 5	-1 -1 0 1 3 5 6 6 7 7 6 6 5 5 4 4	100000000000000000000000000000000000000	1 1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 2 4 5 5 5 5 5 5 5 5 5 5 4 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1 3 5 8 10 11 11 10 10 9 8 7 4 6	-1 0 2 5 8 11 12 12 11 11 10 9 8 7 7	-1 0 1 3 5 6 7 7 7 6 6 6 5 5 4 4
MOVEMBE										•	,	-4	-4	-2	1	,	-1	- 3	-4	- 3	-2	1	2	0	-1	-1	-1	-1
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80		) - )   	1 -1 0 -1 0 -1 1 (0 2 1 2 2 3 3 3 3 3 3 2 2 1 1 0 0	-2 -4 -4	-3 -6 -8 -9 -8 -7 -5 -4 -2 -1 0 1 2 3 2 3	0 1 1	-1 -2 -4 -6 -6 -5 -4 -3 -2 -1 -1 0 0	1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 2 3 4 4 4 4 4 3 3 1	3 4 4 5 6 6 6 6	-5 -6 -5 -3 -1 1 3 4 6 7	-5 -7 -7 -7 -5 -3 -1 2 3 4	-3 -4 -5 -4 -3 -2 -1 0 1 1 1 2 2 1 2 2	-1 -1 -1 -1 -1 -1 -1 -1	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 1 3 3 3 3 4 3 3 3 1 1 1 1 1	-22 -11 15 44 46 46 23 23 24 21 11 11 10 10 10 10 10 10 10 10 10 10 10	1 -4 1 -3 1 2 1 2 2 3 7 1 1 2 1 2 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	-3 -4 -3 -1 -1 -2 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	2 3 4 4 5 5 5 4 4 4 4	1 0 0 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1	-2 -1 -1 -1 -1	3 2 2 1 1 0 0 0	7 9 8 8 7 7 7 6 5 5 4	-1 2 5 9 12 13 14 14 14 14 12 11 9 8 6	-1 4 7 10 12 13 13 14 14 13 12 11 10 8 7	5
DECEMB	ER															1	1 ~	2 -	4 -	4 -3	1	1	. 2		) -2	-2	- 1	۰
18 20 24 28 32 34 40 44 48 52 54 60 64 68 72 76		0 0 0 0 0 0 0 0 1 1 1 1 1 1	1 1	2	2 -3 4 -6 5 -8 4 -8 2 -6 1 -3 2 -1 3 1 4 4 4 4 4 4 4 4 3 3	-6 -8 -6 -4 -3 -1 -1 -1 -2 1 2 2 1 2 1 2 1 2	-1 -1 -1	-	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -1 0 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1	2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	1 -5 1 -7 3 -7 1 -5 1 -3 3 (4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	5 ~ 7 ~ 7 ~ 7 ~ 7 ~ 7 ~ 7 ~ 7 ~ 7 ~ 7 ~	4 -2 7 -4 7 -4 6 -3	-	000000000000000000000000000000000000000	1 0 0 1 1 1 0 0 1 1 2 - 2 3 - 3 - 3	1 - 0 1 3 3 4 3 3 2 1 0 1 1 2 2	3 - 2 - 3 6 7 7 7 6 6 6 5	4 -4 4 -4 2 -3 1 4 5 6 6 8 8 8 7 5 3 2	3 -1 1 -2 3 -1 0 0	-	1		2 2 3 5 5 6 1 9 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 6 10 12 13 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	2 5 5 11 12 12 12 12 12 12 12 12 12 12 12 12	1 3 5 7 8 8 2 8 8 1 7

HF	-	 	•	•

#### (PRESSURE)/(ZOWAL MEAN PRESSURE) - 1 (2)

KM LAĭ≈	20		GITU 40				80	20				50 W		80	20		NG I T L				80	20	LON 30		DE 9		70	BODE6
JANUARY																												
18 20 24 28 32 34 40 44 48 55 60 64 68 77 77 76 80	1 1 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	1 1 1 1 1 0 -1 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	-2 -2 -2 -2 -2	2 4 7 10 12 11 9 6 4 3 1 0 0 0 0 0	4 6 12 17 20 20 18 15 12 9 7 5 4 3 3 4 5	3 6 12 18 21 19 17 14 11 9 7 6 5 5	1 3 7 10 12 12 12 11 10 9 7 6 5 4 4	0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	1 1 1 0 -1 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	1 2 2 3 2 0 -2 -3 -4 -5 -5 -5 -4 -4 -4	3 4 6 7 7 5 3 0 -2 -4 -4 -5 -5 -4 -3 -2 -1	4 6 10 13 14 13 10 6 4 1 0 -1 -1 0 1 3	3 5 11 15 16 15 12 9 7 5 3 3 2 3 4 5	1 3 7 9 10 9 8 7 6 5 4 4 3 2 2 3 3	0 0 0 0 0 0 -1 -1 -1 -1 -1 0 0	0 0 0 0 -1 -2 -2 -3 -3 -3 -3 -2 -2 -2 -2	1 1 1 0 -2 -3 -5 -6 -6 -6 -6 -5 -5 -5 -5	1 1 2 1 0 -3 -4 -6 -7 -8 -8 -7 -6 -5 -4 -3 -2	1 2 3 3 2 0 -2 -3 -5 -6 -6 -5 -3 -2 -1 1	0 2 4 5 5 3 1 -1 -2 -3 -3 -3 -2 -1 0 1 2	0 1 3 4 4 3 2 1 0 0 -1 -1 -1 0 0	000000000000000000000000000000000000000	0 0 -1 -1 -1 -2 -2 -1 -1 -1 0 0 0	0 0 -1 -2 -3 -4 -5 -5 -4 -4 -4 -4 -3 -3 -3 -3 -3	-1 -2 -4 -6 -7 -8 -8 -9 -8 -7 -6 -5 -4 -3 -2	-2 -3 -4 -6 -7 -8 -9 -9 -9 -9 -8 -7 -5 -3 -2 -1 0	-2 -3 -4 -5 -7 -8 -8 -7 -5 -3 -1 0	-1 -1 -1 -1 -2 -3 -4 -5 -5 -5 -5 -4 -3 -2 -2 -2
FEBRUARY							•																					
18 20 24 28 32 36 40 44 48 52 56 64 68 72 76 80	000000000000000000000000000000000000000	1 1 1 1 0 0 0 0 0 0 0 1 -1 -1 0 0 0 0 0	1 1 2 3 3 2 1 0 0 0 -1 0 -1 -1 -1 -1 0 -1	2 3 4 7 8 7 6 5 4 3 3 2 1 1 0 1 1	3 5 9 12 14 14 12 11 8 7 6 4 3 2 2 1	3 5 9 12 14 14 12 10 8 7 5 4 3 1 1	2 3 5 8 8 7 6 6 5 4 3 2 2	000000000000000000000000000000000000000	1 1 1 0 0 0 0 -1 -1 -1 0 -1 0	1 1 2 3 2 1 1 0 -1 -1 -1 -1 0 0 0 0 1 1 1 1	3 3 5 7 7 5 4 3 2 1 1 0 0 0 1 1 1 2	4 6 9 12 12 12 8 7 4 3 2 1 1 0 1 1 2	3 5 9 12 13 12 10 6 5 3 2 1 0 0 0	1 3 6 7 8 7 6 4 4 3 2 2 1 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 -1 -1 -1 -1 -1 0 0 0	1 1 1 0 0 -1 0 -1 -1 -2 -1 0 0 0	1 2 3 3 2 1 0 -1 -1 -2 -2 -2 -1 0	2 3 5 5 3 2 0 -1 -2 -3 -3 -3 -2 -1 0	1 2 5 7 7 7 5 4 1 1 0 -1 -2 -2 -1 -1 0 0	0 1 4 5 5 4 3 2 1 0 0 0 0	-1 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 -1 -1 -1 -2 -1 -2 -2 -3 -2 -2 -1 -1 -1 0	0 0 0 -1 -2 -3 -4 -4 -5 -5 -5 -5 -5 -4 -3 -2 -2 -1	-1 -1 -2 -2 -4 -6 -6 -6 -6 -6 -3 -1 -1	-1 -1 0 0 0 -1 -2 -3 -4 -4 -4 -4 -3 -2 -1 1 2	-1 0 1 2 1 1 0 0 -1 -1 -1 -1 -1 0 0
HARCH																												
18 20 24 28 37 36 40 44 48 52 56 60 64 68 72 74 80	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	1 1 2 2 2 1 0 -1 -1 -1 -2 -2 -3 -3 -3 -3	1 2 4 6 6 6 5 4 2 1 0 0 -1 -2 -3 -3 -3 -3	3 4 7 10 11 10 8 6 5 3 2 0 -2 -2 -3 -3 -2	4 6 8 11 12 11 9 7 5 4 2 0 -1 -2 -2 -2	3 4 6 7 7 7 5 4 3 2 1 0 -1 -1 -2 -2 -2		1 1 0 0 0 - † - 1 - 1 - 1 - 1 - 1 - 1 0	1 2 2 2 2 1 0 0 - f - 2 - 2 - 3 - 3 - 3 - 2 - 2	2 3 5 6 6 4 3 1 0 -1 -2 -3 -3 -3 -3 -2 -2	4 6 8 11 11 10 7 5 3 1 0 -2 -2 -3 -2 -1	5 6 10 12 12 11 9 6 4 3 1 0 -1 -1 -1	3 4 6 8 8 7 6 4 3 2 2 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 00 -11 -11 -11 -11 -11 -11 -11	1 1 1 0 -1 -1 -2 -2 -3 -3 -3 -3 -2 -2 -2 -2	2 2 3 4 3 2 0 -1 -2 -3 -4 -4 -3 -3 -2 -2 -1	2 3 6 7 7 6 3 1 0 -2 -3 -3 -3 -2 -2 -1 -1	3 4 7 9 9 7 5 3 1 0 -1 -2 -1 -1 0	2 3 5 6 6 5 4 3 2 1 1 0 0 0 1	000000000000000000000000000000000000000	0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 1 -2 -3 -3 -3 -3 -2 -2 -2 -1 -1	0 0 1 1 0 -1 -3 -4 -4 -5 -5 -4 -3 -2 -2 -1 -1	-1 G 2 3 2 1 -1 -3 -4 -5 -5 -4 -3 -2 -1 -1 -1	0 1 2 4 4 2 0 -1 -2 -3 -3 -3 -2 -1 -1 0	1 1 2 3 3 2 1 0 0 -1 -1 -1 0 0
APRIL																												
18 20 24 28 32 36 40 44 48 52 36 60 66 72 76 80	0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 7 0 0 0 0 0 0 1 1 1 0 0 0 0	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 2 1 1 0 0 0 0 0 0 0 0 1 1	0 1 2 2 2 1 1 0 0 0 0 1 1 1 1 1 1	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 0 0 0 0 0 0 0 0	0 0 0 0 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 0 0 0 0 0 0 0 1 1 1 1 0 0 0 0 0 0	1 2 2 2 2 1 0 0 0 0 0 0 0 1 1 1 1	2 2 2 2 2 1 1 0 0 1 1 1 1 1 1 1 1 1	1 1 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t 1 1 1 0 0 0 0 0 1 t 1 1 1	2 2 2 1 1 0 0 0 0 0 0 0 0	2 2 2 2 1 1 0 0 0 1 1 1 0 0 0	1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 1 1 0 9 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 1 1 1	1 1 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1	2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 1 1	1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 0 0 0 0 0 1 1 1 1 1 1 1 1 1

KM LAT=	20		61 TU 40			70	80	20			DE J	U 01	70	80	20	LON		DE 0			80	20			DE 3		70	BODEG
JANUARY																				-	•							
18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 76 80	0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1	0 0 -1 -1 0 0 1 1 2 2 2 2 2 2 2 2 2	0 0 -1 -2 -3 -2 -2 -1 0 0 0 0 1 1	-6 -6 -6	-11 -10 -10	-3 -4 -7 -9 -10 -11 -11 -10 -9 -8 -7 -5 -4 -3 -2	-1 -2 -3 -5 -6 -7 -7 -8 -7 -7 -6 -5 -3 -2 -2	000000000000000000000000000000000000000	0 0 0 0 0 0 1 2 2 3 3 3 3 3 3 3 3 3 3	1 0 -1 -1 -1 0 1 3 3 4 4 4 4 4 4	0 -1 -2 -4 -4 -3 -2 -1 0 1 2 2 2 2 1 1	-9 -9 -8 -7 -5 -4 -3 -2 -1 -1	0 -2 -6 -9 -10 -11 -11 -10 -9 -8 -7 -6 -5 -4 -3 -3 -3	0 -1 -4 -8 -8 -8 -8 -9 -7 -5 -4 -3 -3 -3	-1 -1 0 0 1 1 1 1 1 1 1 0 0 0 0 1 1 1 1	-1 -1 0 0 1 2 2 3 3 3 3 2 2 2 2 2 2 2 2 2 2	0 0 1 1 0 1 3 4 4 5 5 5 5 4 4 4 5 5 5	1 0 -1 -3 -3 -2 -1 0 1 2 3 3 3 2 1 1 0 0	2 1 -3 -5 -7 -7 -6 -4 -3 -2 -2 -2 -2 -2 -2 -3 -4	2 0 -4 -7 -9 -10 -9 -7 -6 -5 -4 -3 -3 -3 -3	1 0 4 6 8 8 8 7 6 5 4 4 3 3 3 3 4 4 5 4 6 5 4 6 6 6 6 6 6 6 6 6 6 6 6 6	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 -1 -1 -1 0 1 2 3 3 3 3 3 3 3 3	0 -2 -4 -4 -3 -2 0 1 2 2 2 1 1 0 -1	20 -47 -87 -64 -32 -11 -22 -34 -5	2 0 -5 -8 -9 -8 -6 -5 -2 -2 -2 -2 -3 -4 -5	1 0 -4 -6 -7 -7 -6 -5 -4 -3 -2 -2 -2 -2 -3 -3
FEBRUARY							•																					
18 20 24 28 32 36 40 44 48 52 56 60 64 68 77 74 80	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 -1 -1 -1 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 -1 -2 -2 -2 -3 -2 -3	-1 -1 -3 -4 -5 -6 -6 -6 -6 -3 -2 -2	-2 -2 -3 -4 -5 -7 -7 -8 -8 -9 -7 -6 -4 -2 -2 0	-2 -2 -3 -4 -5 -5 -6 -5 -4 -2 -1 1 2 3	0 0 -1 -1 -1 -2 -2 -2 -2 -2 -1 -1 0 1 2	-1 -1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -1 0 0 0 0 0 0 0 -1 0 0 0 0 -1 1 0 0	1 1 -1 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	1 0 -1 -2 -4 -5 -5 -5 -5 -5 -5 -1 0 0	0 -1 -2 -3 -5 -6 -7 -7 -6 -5 -3 -2 0 2 3 3	0 -1 -2 -4 -6 -6 -7 -7 -7 -6 -5 -3 -2 0 2 3 4	1 0 -2 -3 -4 -4 -4 -4 -3 -2 -2 -1 0 1 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 1 1 0 0 0 1	1 0 -1 -1 -1 -1 -1 0 -1 0 0 -1	2 1 -1 -2 -3 -4 -4 -3 -3 -2 -2 -1 0 1 2 2 2	2 1 0 -2 -4 -6 -5 -5 -4 -2 -1 1 2 4 4 5	1 0 -2 -4 -6 -7 -7 -6 -5 -4 -3 -1 0 1 2 2	1 0 -3 -5 -6 -6 -6 -5 -4 -3 -3 -1 -1	0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0	-1 -1 0 0 0 0 0 1 1 1 1 2 1 2 2	0 0 1 2 2 2 3 2 2 3 2	1 0 -1 -2 -3 -3 -2 0 0 1 2 2 3 3 3 3 3 3	1 0 -2 -4 -6 -5 -5 -3 -1 0 1 2 2 3 2	1 -1 -4 -6 -7 -8 -7 -6 -5 -4 -2 -1 -1 0 0 -1	0 -1 -4 -6 -7 -7 -7 -6 -6 -5 -4 -4 -3 -2 -2 -2
MARCH																												
18 20 24 28 32 36 44 44 48 55 66 66 64 66 8 72 76 80	-1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 -1 -1 -2 -2 -2 -2 -2 -1 -1 0 0	-1 -1 -1 -2 -3 -4 -5 -5 -5 -5 -4 -3 -2 -1 -1	-1 -1 -1 -2 -3 -5 -6 -6 -5 -4 -3 -2 -1 -1	-1 -1 -1 -1 -2 -4 -5 -5 -4 -3 -2 -1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 0 0 0 0 1 1 1 1 1 0 0 0 0 0	-1 -1 -1 0 0 0 0 1 1 1 1 1 1 0 0 0	0 6 -1 -1 -1 -1 -1 0 0 0 0 1 1 1	0 0 1 -2 -3 -4 -4 -4 -4 -2 -1 0 0	0 0 -2 -3 -5 -6 -6 -5 -4 -3 -1 0 0	0 -1 -2 -4 -5 -6 -6 -5 -3 -2 -1 1 2 2	0 -1 -2 -3 -3 -3 -3 -2 -1 0 0	-1 -1 0 0 0 0 0 1 1 1 1 1	-1 -1 0 0 0 1 1 1 1 2 2 2 2 2 2 1	0 0 -1 -1 -1 0 0 1 1 2 2 2 2 3 3 3	2 1 -1 -3 -4 -4 -3 -2 -1 0 0 1 2 2 2 2 2	2 1 -2 -5 -7 -7 -6 -5 -4 -3 -1 0 1 2 2 3 3	1 0 -4 -6 -7 -7 -6 -5 -4 -3 -1 0 2 3 3 4 4	-1 -2 -4 -5 -5 -5 -4 -3 -2 -1 0 1 2 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 1 1 1 2 2 2 2 2 2 2 2	0 0 -1 -1 0 2 3 3 3 4 4 4 4 4 4 4 4	2 0 -3 -4 -4 -3 -1 1 2 3 4 4 4 4 4 4 4	1-15-8-7-42-112334444	0 -2 -6 -9 -9 -8 -6 -3 -2 0 1 2 3 4 4	-1 -3 -5 -6 -6 -5 -4 -2 -1 -1 0 1 2 2 3 3
APRIL.																												
18 20 24 28 32 36 40 44 48 57 56 60 64 68 27 72 74		-1 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	000000000000000000000000000000000000000	1 1 0 0 -1 -1 -1 -1 0 0 0 0 0 0	0 0 0 0 -1 -1 -1 -5 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	-1 -1 0 0 0 1 1 1 5 1 0 0 0 0	0 0 -1 -1 -1 0 0 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 -1 -1 -1 -1 0 0 0 0 0	0 0 0 -1 -1 -2 -2 -1 -1 -1 -1 -1 -1 -1	0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	-1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 1 1 1 1 0 0 0 0	0 0 -1 -1 -1 0 0 1 1 1 1 1 1 1 1 1 1	1 9 -1 -1 -2 -1 -7 -1 0 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 -1 -1 -2 -2 -2 -2 -1 -1 -1 -1 -1 -1 -1	0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	000000000000000000000000000000000000000	-1 -1 :0 0 0 0 0 0 0 0 0 0 -1 -1 0 0	-1 -1 0 0 0 0 0 0 0 0 0 0	0 0 -1 -1 -1 0 0 1 1 1 0 0 0 0 0 0 0 0 0	0 0 1 -2 -2 1 1 0 0 0 0 0 0 1 -1 0	0 0 -1 -2 -2 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1

M HENISPHERE				

#### (PRESSURE)/(ZONAL MEAN PRESSURE) - 1 (Z)

KN LAT=	20		6 [ T U ! 40			70	80	20			DE 9		70	80	20			DE 1: 50		70	80	20			<b>9€</b> 1: 30		70	BODEB
JANUARY																												
18 20 24 28 32 33 36 40 44 48 52 55 66 60 64 68 72 76 80		-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -2 -2 -2 -1 0 1 1 2 2 2 1 1 1 1 1 1	-1 -2 -4 -5 -5 -4 -2 0 1 1 2 1 1 0 0 -1 -1	-1 -6 -8 -7 -5 -1 0 1 0 -1 -2 -3 -4	0 -2 -6 -9 -7 -5 -1 0 0 0 -1 -2 -3 -4	0 -1 -4 -5 -5 -4 -3 -2 -1 0 0 0 -1 -2 -2 -3		00000000000000000000000000000000000000	-2 -2 -1 -1 0 0 1 1 1 1 1 1 0 0	-3 -4 -3 -1 0 2 3 3 3 2 2 1 0 0	-3 -4 -6 -6 -4 -2 0 2 4 4 5 4 3 2 1 0 -1	-3 -4 -6 -6 -4 -2 1 3 4 4 4 4 2 1 0 -1 -2	-1 -2 -3 -3 -2 0 1 2 3 3 2 2 1	1 1 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	-1 -1 0 1 2 2 2 2 2 2 1 1 1 0 0		-3 -2 0 2 5 7 9 10 10 9 8 7 6 5 4 3	-22 0 2 5 7 9 10 10 9 7 5 4 3 2 2	-1 -1 0 2 4 5 6 7 7 6 5 5 4 3 3 3 3	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1	111110000000000000000000000000000000000	0 1 2 3 4 4 3 2 2 1 1 1 0 0 0	0 1 4 8 10 11 10 7 6 6 5 4 3 3 3 3 3	0 2 7 12 16 17 18 14 12 11 9 7 6 5 5 5	0 2 8 13 14 18 17 15 15 11 7 7 4 5 5 5	0 1 4 7 9 10 11 11 10 9 8 6 6 6 4 4
FEBRUARY	'						•																					
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 72 76 80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 -1 0 0 0 1 1 1 1 2 2 2 2	-1 -1 -1 -1 -1 0 1 2 2 3 3 4 4 4 4 3 2 3	-1 -2 -3 -4 -4 -2 0 2 3 3 4 4 4 4 3 3 2 1	-2 -3 -8 -8 -6 -4 -2 0 1 2 2 2 1 0 -2 -2	-2 -3 -7 -9 -8 -4 -4 -2 -1 0 0 0 1 -2 -3	-2 -4 -6 -6 -5 -4 -3 -2 -2 -2 -2 -2 -2	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 1 1 1 1 1	-2 -1 -1 0 1 t 3 2 3 3 4 3 3 2 1 1	-4 -4 -4 -3 0 1 3 4 4 4 4 4 3 2 0 1 -2	-4 -5 -8 -6 -5 -1 1 3 3 4 3 1 0 -3 -4 -6	-3 -5 -7 -8 -6 -4 -2 1 2 3 3 3 1 0 -1 -3 -4	-2 -3 -4 -4 -3 -1 0 0 1 1 0 -1 -1 -2 -2	000000000000000000000000000000000000000	000000000000000000000000000000000000000	-1 -1 0 1 1 1 2 1 2 2 2 2 1 0 0 -1 -1	-3 -2 -1 1 2 4 4 4 4 4 3 2 0 -1 -2 -3	-4 -4 -3 0 1 4 5 7 6 6 4 2 0 -2 3 -5	-3 -3 -3 -2 -1 2 4 6 7 7 6 5 3 1 0 -2 -3	-1 -1 -1 0 1 3 4 4 5 5 4 4 3 2	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 0 0 0 -1 0 -1 0 -1 -1 -1 -1	0 0 1 2 2 2 1 0 1 0 1 -1 0 -1 -2 -1 2	-1 9 1 3 5 6 4 4 4 4 2 1 9 -1 -1 -2	0034601077675320-1	1146799109876421-1-1	1 1 2 4 6 7 7 7 7 7 7 6 5 4 4 2 2 1
MARCH																												
18 20 24 28 32 32 34 40 44 48 52 56 40 44 46 67 72 74	000000000000000000000000000000000000000	0 -1 0 0 0 1 1 1 1 2 2 2 2 2 1 1 1 1	0 -1 -1 -1 0 1 2 3 4 4 4 4 4 4 4 4 4 4 4 3	0 -1 -4 -5 -4 -2 1 3 4 5 5 6 5 5 4 4 4	-2 -4 -7 -9 -8 -6 -3 0 2 3 4 5 5 5 4 4 3 3	-3 -5 -8 -10 -9 -7 -4 -2 0 1 2 3 3 3 3 2 2	-3 -4 -5 -6 -5 -4 -2 -1 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 1 1 1 0 0 0 0	-1 -1 -1 -1 0 1 2 2 3 3 3 3 3 3 2 2	-3 -3 -4 -4 -2 0 2 3 4 5 5 5 4 3 3 2 2	-5 -5 -7 -7 -5 -3 0 2 3 4 5 5 4 3 2	-5 -6 -7 -7 -6 -4 -2 0 1 2 3 2 2 1 0 -1	-33-45-45-21-10-11-22	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	-1 -1 0 1 1 1 1 1 1 1 0 0 -1 -1 -1	-3 -3 -2 -1 1 2 3 3 4 4 4 3 3 2 1 0 -1	-4 -4 -3 -2 0 2 3 4 4 5 4 3 2 1 -1 -2 -2	-4 -3 -3 -2 -1 1 2 3 3 3 2 1 0 -1 -2 -3 -4	-2 -1 -1 -1 0 0 0 0 0 -1 -2 -3 -3	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1	-1 0 1 2 2 1 1 0 0 -1 -1 -2 -2 -2 -3 -3	-2 -1 1 3 4 4 4 3 2 2 1 0 -1 -1 -2 -2 -3	-1 0 3 5 4 7 4 4 3 1 0 -2 -2 -3 -3	0 1 3 5 6 7 6 5 5 4 2 2 1 -1 -2 -3 -3 -4	1 1 1 3 4 4 3 2 2 1 0 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
APRIL																			_			_		_				
18 20 24 28 32 34 40 44 48 52 56 40 64 68 77 74	000000000000000000000000000000000000000	0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 0 6	0 0 0 0 0 0 0 0 0 0 0 0 1 -1 -1 -1	-1 -1 -1 -1 -1 -1 -1 -1 -1	-1 -2 -2 -1 -1 0 0 0 0 -1 -1 -1 -1	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 0 -1 -1 -1 -1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 -1 -1 -1 -1 0 0	0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1 -1 -1 -1 -1 -1 -1 -1 -1 -2 -2 -2 -2	-2 -2 -2 -1 -1 0 0 0 0 0 -1 -1 -1 -1 -1 -1	-2 -2 -1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	000000000000000000000000000000000000000	1 0 0 0 -1 -1 -1 -1 -1 0 0 0 0	0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	-2 -2 -1 -1 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	-2 -2 -1 0 0 0 0 0 0 -1 -1 -1 0	-2 -1 -1 0 0 1 1 1 1 0 0 0 0 0	0000001111000000	000000000000000000000000000000000000000	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 1 1 0 0 0 -1 -1 -1 0 0 0 0	-1 -1 0 1 1 1 1 1 0 0 0 0 0	-t 0 0 1 1 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 0 0

S	HEM	ISP	HERE
---	-----	-----	------

# (BERSITY)/(ZONAL MEAN DENSITY) = 1 (2)

KN LAT=	LONGITURE 180 BE6 -80 -70 -60 -50 -40 -30 -20	LONGITUDE 150 M -80 -70 -60 -50 -40 -30 -20	LONGITUDE 120 % -80 -70 -60 ~50 -40 -30 -20	LONGITUDE TO U -80 -70 -60 -50 -40 -30 -208E6
APRIL				
18 20 24 28 32 32 34 40 44 48 52 56 60 60 60 60 60 60 60 60 60 60 60 60 60	0	1 1 2 2 1 0 0 1 2 3 2 1 0 0 2 2 3 2 1 1 0 3 3 3 2 1 1 0 3 4 3 2 1 1 0 3 3 2 0 0 0 1 2 2 0 -1 0 0 1 1 1 -1 -1 -1 0 1 1 0 -1 -2 -1 0 1 0 -1 -2 -2 -1 0 1 0 -2 -3 -3 -1 0 1 -1 -3 -4 -3 -1 0 1 -2 -3 -3 -2 0 1 1 -2 -2 -3 -2 0 1 1	1 2 2 2 1 0 0 0 1 2 2 3 2 1 0 0 0 2 2 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 2 1 0 0 0 1 1 2 2 1 0 0 0 0 1 2 2 1 0 0 0 0
18 20 24 28 32 33 40 44 48 52 56 60 64 68 72 74 80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	1 2 2 1 1 0 0 1 2 2 1 1 0 0 2 2 2 1 1 0 0 2 2 2 1 1 0 0 2 2 2 1 0 0 0 2 2 2 1 0 0 0 2 2 1 0 0 0 1 0 -1 -1 -1 0 0 0 -1 -2 -2 -1 -1 0 0 -1 -2 -2 -2 -1 0 0 -2 -3 -3 -2 -1 0 -1 -2 -3 -3 -2 -1 0 -2 -3 -4 -3 -2 -1 0 -2 -4 -4 -3 -1 0 -2 -4 -4 -3 -1 0 -2 -4 -4 -2 -1 0 -2 -4 -4 -2 -1 0 -2 -3 -3 -2 0 1 1	1 2 2 1 1 0 0 1 2 2 1 1 0 0 1 2 2 1 1 0 0 1 2 1 1 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 -1 -2 -2 -1 0 0 0 -2 -4 -3 -2 0 0 -1 -3 -4 -3 -1 0 1 -1 -3 -3 -3 -1 0 1 -2 -3 -4 -3 -1 0 1 -2 -3 -4 -3 -1 0 1 -2 -3 -4 -3 -1 1 1 -3 -4 -3 -1 1 1 -3 -4 -3 -1 1 1 -3 -4 -3 -1 1 1 -3 -4 -3 -1 1 1 -3 -3 -3 -3 0 1 1 -3 -3 -3 0 1 1 -3 -3 -3 0 1 1 -3 -3 -3 0 1 1
18 20 24 28 32 34 40 44 48 52 60 64 48 8 72 76 80	0 1 2 1 1 1 1 1 2 1 0 1 2 3 2 1 1 1 1 1 2 2 3 2 1 1 1 1 1 1 2 2 3 3 2 1 1 1 1	1 2 2 2 1 1 0 1 2 2 2 1 1 0 2 3 3 2 1 1 0 3 4 4 2 1 1 0 2 4 3 1 0 0 0 2 4 3 1 0 0 0 2 3 2 1 0 0 1 2 2 2 1 0 0 1 2 1 0 0 1 1 2 1 0 0 0 1 1 1 0 0 0 0 0 0 0 -1 -1 0 1 1 0 -1 -1 -1 1 1 1 -1 -1 -1 -1 1 3 2 -1 -2 -2 -1 2 4 3 0 -1 -1 0 3 4 3	2 2 2 1 1 1 0 0 2 3 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 1 0 0 -1 2 2 2 1 0 6 -1 2 3 2 1 0 6 0 2 2 1 0 0 0 0 1 1 0 0 -1 -3 0 0 1 0 0 -1 -3 0 0 1 0 0 -1 -1 0 0 1 0 0 -1 -1 -1 0 0 0 -1 -1 -1 0 0 0 -1 -1 -1 0 0 1 -1 0 0 0 0 1 -1 0 0 0 0 0 1 -1 0 0 0 0 0 1 -1 0 0 0 0 0 1 0 0 1 1 0 -1 2 0 0 1 1 1 -1 -2 2 1 1 0 0 -1 -2
JULY 18 20 24 28 32 36 40 44 45 55 66 60 72 76 80	-2 -1 0 1 -1 0 0 -2 -1 1 2 0 0 0 1 2 3 3 1 1 0 2 4 5 5 2 1 0 2 3 4 5 3 1 0 1 2 1 1 1 1 0 0 0 0 -1 -2 -2 -1 -1 0 -1 -3 -5 -5 -2 -1 0 -2 -4 -6 -6 -3 -1 0 -2 -5 -6 -6 -3 -2 0 -2 -6 -7 -7 -4 -2 -1 -3 -7 -8 -7 -4 -2 -1 -3 -7 -8 -7 -4 -2 -2 -4 -8 -9 -7 -3 -1 -2 -5 -8 -9 -6 -2 -1 -3 -5 -8 -9 -6 -2 -1 -3 -5 -8 -9 -6 -2 -1	-1 0 2 2 0 0 0 -1 1 2 2 1 1 0 2 4 4 3 1 1 0 3 5 4 4 2 1 1 2 3 2 2 1 1 0 1 2 -1 -1 1 0 0 0 0 -3 -4 4 -2 0 0 0 -2 -4 -6 -6 -2 -1 -1 -2 -3 -6 -6 -3 -1 -1 -3 -7 -8 -6 -3 -1 -1 -4 -8 -8 -6 -3 -1 -2 -5 -9 -9 -6 -3 -1 -3 -5 -9 -9 -6 -2 0 -3 -6 -9 -9 -5 -1 0 -4 -6 -9 -9 -5 -1 0	0 2 3 2 1 1 0 1 2 3 2 1 1 0 1 2 3 2 1 1 1 3 4 4 3 1 1 0 2 2 2 2 0 0 0 0 1 1 0 -2 -2 -1 0 0 -1 -2 -3 -5 -3 -1 0 -1 -2 -3 -5 -3 -1 0 -1 -3 -5 -5 -3 -1 0 -2 -4 -5 -6 -3 -1 0 -3 -5 -6 -5 -2 1 -3 -5 -6 -5 -2 1 -3 -5 -6 -5 -2 1 -4 -4 -5 -4 -1 1 -4 -4 -5 -4 -1 1	1 3 4 2 1 0 0 2 3 4 2 1 0 0 2 4 4 1 1 0 0 2 3 3 0 0 0 0 1 1 1 -1 -1 0 0 0 0 -2 -2 -1 0 0 -1 -1 -3 -2 -1 0 -1 -2 -1 -2 -1 0 1 -1 -2 -2 -2 0 1 1 -2 -3 -2 -2 0 1 1 -2 -3 -2 -2 0 1 1 -2 -3 -1 -1 1 2 1 -3 -3 -1 0 2 2 1 -3 -3 0 1 3 2 1 -3 -2 0 1 3 3 1 -2 -2 1 2 3 2 1

-	H	•	-		-	44	•	•	•

#### (BENSITY)/(ZONAL MEAN DENSITY) - 1 (2)

KN LAT=	LONGITUDE 60 U 80 -70 -60 -50 -40 -30 -20	LONGITUDE 30 W -80 -70 -60 -50 -40 -30 -20	LONGITUDE 0 DEB -80 -70 -60 -50 -40 -30 -20	LONGITUDE 30 E -80 -70 -40 -50 -40 -30 -20DE6
APRIL				
18 20 24 28 32 34 40 44 48 52 54 60 64 68 72 76 80	1 1 ! 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 1 1 0	1 1 0 0 -1 0 0 0 1 0 -1 -1 0 0 0 0 -1 -1 -1 -1 0 -1 -1 -1 -1 -1 0 -1 -2 -2 -1 -1 -1 0 -2 -2 -2 -1 0 -1 0 -1 -1 -1 0 0 0 0 -1 0 0 1 1 0 0 0 0 1 2 1 0 0 0 0 1 2 1 0 0 0 2 2 3 1 0 0 0 2 2 3 2 1 0 1 3 5 4 2 0 0	0 0 -1 -1 -1 0 0 0 0 0 -1 -1 -1 0 0 0 0	-1 -1 -2 -2 0 0 0 0 -1 -1 -2 -2 -1 0 0 -1 -2 -2 -1 0 0 -2 -3 -2 -1 0 0 0 -2 -3 -2 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
18 20 24 28 32 34 40 44 48 52 56 60 64 60 60 60 60 60 60 60 60 60 60 60 60 60	0 1 1 1 0 -1 -1 0 1 1 1 0 -1 -1 0 0 0 0 0 -1 -1 -1 -2 -2 -1 -1 -1 0 -1 -3 -4 -3 -1 -1 0 -2 -4 -5 -4 -1 0 0 -2 -4 -5 -3 -1 0 1 -2 -3 -3 -2 0 1 1 -2 -3 -3 -1 1 1 1 -2 -3 -3 -2 1 1 2 1 -2 -3 -2 0 2 2 1 -3 -2 -1 1 2 1 1 -2 -2 0 2 2 1 1 -2 -2 0 2 2 1 1	-1 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 0 0 0 0	-1 -1 -1 0 0 0 0 0 0 0 -1 -1 -1 -1 0 0 0 0	0 -1 -1 -1 0 0 0 0 0 0 -1 -1 -1 0 0 0 0
JUNE 18 20 24 28 32 34 40 44 48 52 52 64 40 64 48 77 77	1 1 1 0 -1 -1 -1 1 1 1 0 -1 -1 -1 1 1 0 -1 -1 -1 1 1 0 -1 -1 -1 1 1 0 -1 -1 -1 0 -1 -1 -1 -1 -1 0 -1 -2 -2 -1 -1 0 0 -2 -2 -2 -1 0 0 0 -1 -2 -2 -2 -1 0 0 0 -1 -1 -1 -1 -1 0 0 -1 -1 -1 -1 -1 0 0 -1 -1 -1 -1 -1 0 0 -1 0 0 -1 0 0 0 1 0 1 0 0 0 1 0 1 1 0 -1 -1 1 0 1 1 0 -1 -1 1 0 1 1 0 -2 -2 2 1 2 2 0 -2 -3 2 1 2 2 0 -3 -3	-1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	-2 -2 -1 0 0 0 0 0 0 -2 -2 -1 -1 0 -1 0	-2 -2 -2 -1 0 0 0 0 -2 -2 -2 -1 0 0 0 0 -3 -3 -3 -3 -1 0 0 0 0 -3 -3 -3 -3 -2 -1 0 0 0 -2 -3 -2 -1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
JULY  18 20 24 28 32 34 40 44 48 52 54 40 44 48 72 76	1 2 3 1 1 0 -1 1 3 3 1 1 0 -1 1 2 3 0 0 -1 -1 0 0 1 -2 -1 -1 0 0 -1 -1 -3 -2 -1 0 0 -1 -1 -3 -2 -1 0 -1 -2 -1 -1 1 1 1 -1 -2 -1 -1 1 1 1 -1 -2 0 -1 1 1 1 -2 -2 0 0 2 2 1 -2 -2 0 0 2 2 1 -2 -2 2 4 3 1 -1 0 3 4 5 3 1 -1 0 4 5 5 3 1 -1 0 4 5 5 5 2 1	0 1 1 0 0 0 -1 0 1 1 0 0 -1 -1 0 -1 -1 -2 -1 -1 -1 -1 -3 -3 -4 -2 -1 -1 -1 -3 -4 -5 -2 -1 0 -1 -2 -3 -4 -2 0 0 -1 -2 -2 -3 -1 0 0 0 -1 -2 -1 1 1 1 -1 -1 -1 0 2 1 1 -1 -1 0 1 2 2 1 -1 0 2 3 4 2 1 0 1 3 3 4 2 1 0 1 3 3 4 3 1 0 1 3 4 4 2 0 1 1 4 4 4 2 0 1 1 4 4 4 1 -1 1 1 3 4 4 1 0	0 -1 -1 0 0 0 -1 0 -1 -1 -1 0 0 0 -1 -2 -4 -4 -3 -1 0 -1 -2 -5 -7 -5 -2 -1 -1 -1 -3 -5 -5 -2 0 0 0 -1 -3 -2 -1 0 0 0 0 -1 0 1 0 0 0 0 0 1 2 2 0 0 1 1 2 3 2 1 1 2 3 3 4 4 3 1 1 3 3 4 4 2 1 2 3 3 4 4 3 1 2 3 3 4 3 1 0 2 3 3 3 2 1 -1 2 3 3 3 2 1 0 -1 3 3 2 2 1 1 0 -1	0 -1 -3 -1 0 1 0 0 -2 -3 -2 0 0 0 -2 -5 -6 -3 -1 0 0 -1 -4 -6 -4 -2 -1 0 -1 -4 -6 -4 -2 -1 0 -1 -2 -4 -3 -1 0 0 1 0 -1 0 1 1 0 1 1 1 2 2 1 0 1 2 2 4 3 2 1 2 3 4 6 3 3 1 2 4 5 6 5 3 1 3 4 4 6 4 2 1 3 4 3 3 1 0 -1 4 3 2 0 -1 -1 3 4 2 2 0 -1 -1

ME			

## (DENSITY)/(ZONAL NEAN BENSITY) - 1 (2)

KM LAT-	-80			DE 46		-30 -	-20	-80	LON -70		BE 90		-30	-20	-80			DE 12		-30 -	-20	-80			DE 1:		-30 ·	-20 <b>DE</b> 6
APRIL																												
18 20 24 28 32 34 40 44 48 52 56 60 44 68 72 74 80	-1 -1 -2 -2 -2 -2 -1 -1 -1 0 0 1 1 1 2	-2 -2 -3 -3 -2 -2 -1 0 0 1 1 2 2 2 2	-3 -3 -3 -2 -1 0 1 1 1 2 2 3 3 3 2 1	-2 -2 -2 -1 -1 0 1 1 2 2 2 2 1	-1 0 0 0 0 1 1 1 0 0 1 1 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 -1 -1 -1 -1 -2 -2	-1 -1 -2 -2 -1 -1 -1 0 0 0 1 1	-2 -2 -2 -2 -1 0 0 0 1 1 1 1 0 -1	-2 -2 -2 -1 0 1 1 1 1 1 1 -1 -1 -2	-2 -2 -1 -1 0 0 1 0 0 1 !	-1 -1 0 0 0 0 0 0 0 0 0 1 -1 -2 -2	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 1 -1 -1	-1 -1 -1 -1 0 0 0 0 0 0 0 0 0	-2 -1 -1 0 0 0 0 0 1 0 0 -1 -2 -3	-1 -1 -1 0 0 1 1 0 -1 -2 -3 -3	-1 -1 0 0 1 0 0 0 0 0 0 -1 -2 -3 -4	0 0 0 0 0 0 0 0 1 -1 0 -1 -2 -3 -3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-1 -1 0 1 1 1 1 0 0 0 0 0 0 -1 -1 -1 -1	0 0 0 1 2 2 1 1 6 0 0 0 1 -2 -3 -3	0 0 1 1 2 1 1 0 0 0 -1 -2 -3 -4 -4	0 1 1 1 1 0 0 -1 -1 -1 -2 -3 -4 -4	0 0 0 0 0 1 -1 -1 -1 -2 -2 -2 -2		1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
18 20 24 28 32 34 40 44 48 52 55 60 64 68 72 74 80	0 0 -1 -1 -1 0 0 1 1 2 2 3 3	0 0 -1 -1 -1 0 0 1 1 1 2 2 3 3 3 3	-1 -1 -1 0 0 1 1 1 1 2 2 3 3 3 2 1	-1 -1 0 1 1 1 1 1 2 2 2 1	0 0 0 0 1 1 0 0 1 1 1 0 0 0	000000000000000000000000000000000000000		0 0 0 0 1 1 1 2 2 2 2 2 3 3 3 3 3 3	2 2 2 2 2 3 3 3 3 3 3 3	-1 -1 0 1 2 3 3 3 3 3 3 3 3 3 3 2 2 2 1 0	-1 -1 0 0 1 2 2 2 2 2 2 2 1 1	000000000000000000000000000000000000000			000112222333333333333333333333333333333	11023443333333222	-1 -1 0 2 4 5 5 4 4 3 3 3 2 2 1 1 0	-1 -1 0 1 2 3 3 3 3 2 2 2 1 0 -1 -1	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0 0 0 0 0 -1 -1 -1 -1 0 0	0 0 0 0 2 2 2 2 2 2 2 2 2 2 1 1	-1 -1 0 2 4 5 4 4 3 3 2 2 2 1 1 1 1	-1 -1 0 2 4 5 5 4 3 3 2 2 1 0 0 0 0	0 0 0 1 2 3 3 3 2 2 1 1 0 -1 -1 -1 -1	00001111000-11-1-1-1-1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
JUNE 18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	-1 -1 -2 -3 -2 -2 -1 -1 -1 -1 -1 -1 -1 -1	-2 -2 -3 -3 -2 -1 -1 0 0 1 1 1	-3 -3 -3 -3 -2 -1 -1 0 0 1 1 1 1	-1 -1 -1 0 0 1 1 1 1 1 1	0 0 0 0 0 1 1 1 1 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 -1 -2 -1 -1 -1 -1 0 0 0 0 0 0	-2 -2 -1 -1 -1 -1 0 0 0 0	-3 -2 -1 0 0 0 -1 -1 -1 -1 -2 -2 -3	-2 -1 -1 0 1 1 1 0 0 -1 -1 -1 -2 -2 -3 -3	-1 -1 0 0 1 1 -1 -1 -1 -1 -1 -2 -2 -2 -3	0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	1 1 0 0 0 -1 -1 -1 -1 -1 -1 0 0	0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 0 0 0 -1 -1 -2 -2 -2	-1 -1 1 1 0 0 0 -1 -2 -2 -3 -4 -4	-1 -1 0 1 2 2 0 -1 -1 -1 -2 -2 -3 -3 -4 -4	-1 -1 0 1 1 1 0 -1 -2 -2 -2 -3 -3 -3 -3 -3 -3	0 0 1 1 0 0 -1 -1 -2 -2 -2 -2 -1 -1	0 0 0 0 0 0 0 0 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 1 1 1 1 1 1 1 1 1 1 0 0 -1 -1	0 0 1 2 2 2 2 2 1 1 1 0 0 -1 -2 -3 -3	0 0 1 2 3 2 2 1 1 0 -1 -2 -3 -4 -4	0 1 2 2 2 1 0 -1 -1 -2 -3 -3 -4 -4	0 0 1 1 1 0 -1 -1 -2 -2 -2 -2 -2 -1	0 0 0 1 1 0 0 0 -1 -1 -1 -1 0 1 2 2	0 0 0 0 0 0 0 1 1 0 1 2 3 3
JULY 18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	1 1 -2 -2 -1 0 1 1 2 2 2 2 2 3 3 4 4	-1 -2 -5 -4 -3 -1 1 3 3 4 4 4 5 5 5 5 5 5 5 5	-3 -4 -6 -5 -3 0 2 4 5 6 6 6 6 6 6 5 5 5	-2 -2 -3 -3 -1 1 4 5 6 7 7 7 7 6 4 4	0 0 -1 -1 1 3 4 4 5 5 5 4 7 1 1	1 0 0 0 -1 0 1 2 2 2 2 2 1 0 0	; 1000000000000000000000000000000000000	9 0 -2 -1 0 0 1 1 1 1 2 2 2 3 3 3 3	-1 -3 -2 -1 1 2 3 3 3 4 4 4 4 4 4 4 4 4 4	-3 -3 -1 1 4 5 6 6 6 6 6 6 6	-2 -2 0 2 5 7 7 6 4 4 5 5	0 1 3 4 5 4 4 4 3 2 2 1	0 0 0 0 0 1 1 1 1 1 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -1 -1 -1 -1 0 0 0 1 1 1 1 1 1 1 1	-1 -1 0 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-2 -2 0 3 5 6 5 4 4 3 3 2 2 2 2 2 3	1 1 1 2	•	-1 -1 0 0 1 1 1 0 0 -1 -2 -2 -2 -1 -1 -1	0 0 0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 0 0	-2 -2 -2 -2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0	-1 0 2 5 5 4 2 0 -1 -2 -3 -4 -4 -4	6 5 2 0 -2 -3 -4 -4 -5 -4 -4	-1 -1 1 2 3 3 1 -1 -3 -4 -5 -5 -5 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	-1 -1 -1 -2 -3 -3 -3 -2 -2 -2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

100	MI	36	

## (BENSITY)/(ZONAL MEAN BENSITY) - 1 (Z)

KM LAT-	LOMBITUDE 180 DE8 80 -70 -40 -56 -40 -30 -20	LONGITUDE 150 W -80 -70 -40 -50 -40 -30 -20	LONGITUDE 120 W -80 -70 -60 -50 -40 -30 -20	LONGITUDE 70 U -80 -70 -40 -50 -40 -30 -208ES
AUGUST			00 70 00 00 00 00 10 10	-00 -70 -00 -30 -40 -30 -20020
18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 76 80 SEPTEND	-1 -4 -4 -3 -2 -1 0 -2 -4 -4 -3 -1 0 0 3 2 0 0 0 0 0 4 6 5 2 1 1 0 4 5 5 4 2 1 0 4 5 5 4 2 1 0 4 4 3 2 1 0 0 3 3 0 -1 -1 -1 0 3 2 -2 -3 -2 -2 -1 2 1 -3 -4 -3 -2 -1 1 1 0 -4 -4 -3 -2 -1 1 -1 -5 -5 -3 -2 -2 -1 1 -2 -6 -5 -2 -1 0 2 -1 -5 -5 -3 -1 1 2 -1 -5 -5 -3 -1 1 2 -1 -5 -5 -3 -1 1	0 0 1 2 1 1 0 0 0 0 2 2 1 1 0 0 4 5 4 3 2 1 0 4 6 5 3 2 1 0 0 4 6 5 3 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 4 7 6 3 2 0 2 5 7 6 3 2 0 5 7 7 5 3 1 0 3 5 4 2 1 1 0 2 2 0 -1 -1 0 0 1 1 -2 -4 -3 -1 0 1 -3 -5 -4 -2 0 -1 -3 -5 -5 -3 -1 0 -2 -4 -5 -4 -2 0 -1 -3 -3 -1 1 1 -2 -4 -4 -3 -2 0 1 -1 -3 -3 -1 -1 1 1 0 -1 -1 0 0 1 1 1 0 1 1 1 1 1 2 2 2 2 2 2 1 1 4 4 3 3 2 2 1	2 5 7 4 3 1 0 3 7 8 6 3 1 0 3 6 5 3 2 1 0 1 2 1 0 0 0 0 0 -1 -2 -3 -2 -1 0 -1 -2 -4 -4 -3 -1 0 -2 -3 -3 -3 -2 0 0 -2 -3 -3 -3 -2 0 0 -2 -4 -3 -1 0 2 1 -2 -4 -3 -1 0 2 1 -2 -3 -1 1 1 2 2 -1 -2 1 3 2 2 1 0 0 3 5 4 2 1 1 3 5 6 5 2 1 2 4 7 7 5 3 1 3 6 8 8 6 3 1
18 20 24 28 32 34 40 44 48 52 54 64 64 64 68 72 76 80	-2 3 7 6 3 2 1 -1 4 7 6 3 2 1 3 7 8 6 3 2 1 3 7 8 6 3 2 1 2 5 6 4 2 1 1 1 3 4 2 1 1 0 2 2 1 0 0 0 -1 0 1 0 0 0 1 -2 -1 0 0 -1 0 1 -2 -1 0 0 -1 0 1 -2 -1 0 0 -1 0 1 -3 -3 -2 -2 -2 0 1 -4 -5 -3 -3 -2 -1 1 -5 -6 -5 -4 -2 0 1 -5 -7 -5 -4 -2 0 1 -5 -6 -5 -4 -2 0 1	0 4 8 6 4 2 1 1 6 8 6 4 2 1 3 7 8 5 3 1 1 2 5 5 4 2 1 0 0 2 2 1 1 0 0 1 0 0 -1 0 0 1 -3 -2 -2 -2 -1 0 1 -4 -4 -3 -3 -1 0 1 -5 -5 -3 -2 -1 1 1 -6 -7 -5 -3 -1 1 1 -6 -7 -5 -3 -1 1 1 -6 -7 -5 -3 -1 1 2 -5 -7 -5 -3 -1 1 2 -5 -7 -5 -3 -1 1 2 -5 -6 -4 -3 -1 2	2 5 7 6 3 1 0 4 6 7 5 3 1 0 3 5 5 4 2 1 0 0 1 1 1 1 1 0 0 -2 -2 -2 -2 -1 0 0 -3 -4 -5 -6 -5 -2 0 1 -6 -7 -6 -4 -1 1 1 -7 -7 -5 -3 -1 1 1 -7 -7 -5 -3 -1 1 1 -7 -7 -5 -3 -1 1 1 -6 -7 -4 -2 0 1 -6 -7 -4 -2 0 1 -6 -7 -4 -2 0 1 -7 -7 -5 -3 -1 1 1 -7 -7 -5 -3 -1 1 1 -6 -6 -4 -2 0 2 -5 -5 -3 -1 0 2 2 -4 -5 -2 -1 1 2 2 -3 -4 -2 0 1 2 2	3
0CTOBER 18 20 24 28 32 34 40 44 48 52 54 40 64 68 72 74 60	1 2 3 2 1 1 0 1 3 4 3 1 1 0 4 4 6 3 2 1 0 5 8 6 4 2 1 0 5 9 9 5 3 1 0 5 8 9 5 2 1 0 4 7 8 4 2 0 0 4 4 6 3 3 1 0 0 3 6 5 2 1 0 0 3 5 4 1 0 0 0 0 2 4 3 0 -1 0 0 2 2 1 -1 -1 0 0 1 1 0 -1 0 1 1 1 1 0 0 0 1 1	3 6 7 5 3 1 0 4 7 7 5 3 1 0 5 8 7 5 3 1 0 5 8 7 5 3 1 0 6 7 4 2 1 0 4 6 6 3 1 0 0 3 5 6 3 1 0 0 3 5 5 2 0 0 1 2 5 4 1 0 0 1 2 5 4 1 0 0 1 2 5 4 1 0 0 1 1 3 2 0 -1 0 1 0 2 2 0 0 0 1 0 2 2 0 0 1 1 3 3 1 1 1 1 1 3 3 1 1 1 1	4 7 7 5 3 1 0 5 8 7 5 2 1 0 5 7 6 4 2 1 0 3 5 5 3 1 0 0 2 3 3 2 1 0 0 1 2 2 0 0 0 0 1 2 1 0 -1 0 1 1 2 1 0 -1 0 1 1 2 1 0 -1 0 1 1 2 1 0 -1 0 1 1 2 1 0 -1 0 1 0 2 1 -1 -1 0 1 0 1 1 -1 -1 0 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 2 2 1 1 1 1 0 2 3 1 1 1 1	4
## ## ## ## ## ## ## ## ## ## ## ## ##	0 0 1 1 1 0 0 0 1 2 2 2 1 0 0 0 2 3 3 2 1 0 0 0 2 2 3 3 2 1 0 0 0 2 2 2 2 1 0 0 0 0 0 0 0 0 0 0	1 2 3 2 1 0 0 1 2 3 2 1 0 0 1 2 2 2 1 0 0 1 2 2 2 1 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0	2 3 4 3 1 0 -1 2 3 4 3 1 0 -1 1 2 2 2 1 0 0 1 1 1 0 0 0 0 0 -1 -1 0 0 0 0 -1 -1 -1 0 0 0 0 0 -1 -1 0 0 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 0 0 0 1 1 1 1	2 4 4 3 1 0 -1 2 4 4 3 1 0 -1 1 2 2 1 0 0 0 0 0 -1 -1 0 0 0 -1 -2 -2 -2 -1 0 0 0 -1 -1 0 0 0 0 -1 -1 0 0 0 0 -1 -1 0 0 0 1 1 1 1 1 0 0 1 2 1 1 1 0 0 1 2 2 2 1 0 0 1 2 2 2 1 0 0 2 2 2 2 1 0 0 2 3 2 2 1 0 0 2 3 2 2 0 0

S MEMISPHER	
	c

であるとは、ようなななななな。 であるとは、これでは、これできるとのできない。 それでは、これでは、これできるとのできない。

## (BENSITY)/(ZONAL MEAN BENSITY) - 1 (2)

KN LAT=		LDN8 70 -				-30 -	20	-80 -		1 TUE			-30 -	20	-80 -		317UE - 60 -			-30 -	-20	-80 -		SITUI -40 -			-30 -	-20 <b>0</b> E6
AUGUST																												
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	-2 -1 0 1 2	-3 -3 -3	4 3 1 -2 4 -3 -2 -1 1 3 5 7 8 8	2 2 0 -2 -3 -3 -2 0 1 1 2 3 5 6 7 8 8	1 0 -1 -1 -1 0 1 2 2 2 3 4 5 5 5	0 0 -1 -1 -1 0 1 1 2 2 2 3 3 2 2 2	-1 -1 0 0 0 0 0 1 1 1 1 1	0 0 -2 -3 -3 -3 -3 -2 -2 -1 -1 0 0	0 0 -3 -4 -4 -3 -3 -3 -2 -1 0 1 2 2	0 -1 -3 -4 -4 -3 -2 -1 0 0 1 2 3 4 4 4 3	-1 -2 -2 -2 -1 0 1 2 3 3 3 3 4 4 4 4 3 3	-1 -1 -1 0 1 2 3 3 3 3 3 3 2 2 1	-1 -1 -1 -1 0 1 2 2 2 2 2 1 1 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	-1 -1 0 0 0 1 1 1 0 0 1 1 1 0 0 -1 -2 -2	-1 -4 -4 -3 -3 -3 -3 -2 -2 -1 -1 -1 -1 -2 -2 -3		-2 -4 -4 -3 -2 -1 0 1 1 2 2 2 1 0 -1 -2	-2 -2 -2 -1 1 2 2 2 3 3 2 1 -1 -2 -2 -3	-2 -2 -1 -1 0 1 2 2 2 2 2 2 1 0 -2 -3 -4 -5	-1 -1 -1 0 0 1 1 1 1 0 0 -1 -2 -3 -4	-1 -1 -1 0 0 0 1 0 0 0 0 -1 -1 -2 -2	-1 -4 -4 -3 -3 -3 -2 -1 -1 0 0 0 -1 -2 -3 -3	-1 -2 -5 -5 -4 -3 -2 -1 0 1 1 1 0 -2 -3 -5 -5	0 -1 -3 -4 -2 -1 0 2 3 3 2 1 0 -2 -3 -4 -3 -4 -3 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0 0 -1 -1 -1 0 0 1 2 3 2 1 -1 -3 -4 -5 -5	0 0 0 0 0 0 0 0 1 1 0 -2 -4 -5 -6	0 0 0 0 0 0 0 0 0 0 -1 -2 -3 -3 -3	0 0 0 0 0 0 0 0 0 -1 -1 -2 -2
SEPTEMBI	4	6	5	3	1	0	0	3	3	1	0	-1	-1	-1	1	-1	-4	-4	-2	-1	-1	-1	-6	-9	-7	-3	-1	-1
20 24 28 32 36 40 44 48 52 56 40 44 68 72 76 80	5 0 -2 -3 -4 -4 -4 -4 -4 -3 -2 0 1 2	6 0 4 6 6 6 6 6 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8	340477775432024566	2 0 2 -5 -5 -5 -7 -1 1 2 4 5 5 6	-1 -2 -3 -3 -2 -1 0 0 1 1 2 2 3 3 4	0 -1 -1 -1 -1 -1 1 1 2 2 1 1 1	0 -1 -1 0 0 0 0 0 0 1 1 1	3 -2 -3 -3 -2 -2 -1 -1 0 1 2 3 4 4	23-55-54-32-10246777	1-25-6-5-4-2-1-0-0-3-5-6-7-8-8	-1 -2 -3 -4 -4 -3 -1 0 0 1 2 4 5 5 6	-1 -2 -2 -2 -2 -1 0 1 1 2 2 3 3 3	-f -1 -1 -1 0 0 0 1 1 1 1 1 1 1 1	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -3 -2 -1 0 1 1 2 2 3 4 5 5 6 5	-55-53-0123356888	-5 -5 -4 -3 -1 1 1 2 2 4 5 6 6 6	-4 -4 -3 -2 0 1 1 2 2 3 4 4 4 4 4	-2 -2 -2 -1 0 1 1 2 2 2 3 3 2 2 2	-1 -1 -1 0 0 0 0 0 1 1 1	-1 0 0 0 0 0 0 0 -1 0 0 0 -1 -1 -1	-3 -4 -2 0 2 3 4 5 5 5 5 6 6 6 6 5 4	-7 -7 -4 -1 1 3 4 5 5 5 6 6 7 6 4 5	-9 -8 -5 -2 0 2 3 3 3 3 3 3 3 3 3	-7 -4 -2 0 2 2 2 2 2 2 2 1 1	-J -3 -2 -1 0 1 1 1 2 2 1 T 1 0	-1 -1 -1 0 0 0 0 0 0 0 -1 -1	-1 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1
OCTOBER					_								_•	0	-2	-3	-3	-2	-1	-1	0	-2	-4	-4	-2	-1	•	0
18 20 24 28 32 36 40 44 48 52 56 40 64 68 72 76 80	2 2 0 -2 -3 -3 -3 -3 -3 -2 -1 -1 -1	2 2 -1 -4 -6 -6 -5 -5 -3 -3 -2 -2 -2	1 1 -1 -4 -7 -8 -7 -6 -5 -4 -3 -2 -2 -2 -2	0 0 -1 -2 -4 -5 -6 -5 -5 -4 -3 -2 -1 -1 -1	0 -1 -1 -2 -2 -2 -2 -2 -1 -1 0 0 0	-1 -1 -1 -1 -1 -1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 1 1	0 -1 -3 -4 -4 -4 -4 -3 -3 -2 -2 -1 -1	-1 -2 -5 -7 -8 -8 -7 -7 -6 -5 -4 -3 -2 -2 -2	-2 -4 -7 -8 -9 -9 -8 -7 -6 -5 -3 -2 -1 -1 -2 -2	-1 -2 -3 -4 -6 -6 -5 -4 -3 -2 -1 0 0 0 -1 -1	-1 -1 -2 -2 -3 -3 -2 -2 -1 -1 0 0 0 0	-1 -1 -1 -1 -1 -1 0 0 0 0 0 -1 -1	0 0 0 0 0 0 0 0 0 0 0	-2 -4 -5 -5 -4 -4 -3 -3 -2 -2 -1 -1	-3 -4 -6 -8 -8 -7 -6 -6 -5 -4 -3 -2 -1 0 0	-3 -4 -5 -7 -8 -7 -6 -5 -4 -3 -2 0 1 1 1 0 0	-2 -3 -4 -5 -5 -4 -3 -2 -1 0 1 2 1	-1 -2 -2 -3 -2 -2 -1 0 0 1 1 1 1	-1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 -1 -1 -1	-3 -5 -4 -3 -3 -2 -2 -2 -1 -1 0 0	-5 -6 -7 -6 -5 -4 -3 -2 -1 -1 0 1	-4 -5 -6 -4 -3 -2 -1 0 1 2 3 3 2 2 2	-3 -3 -3 -3 -3 -1 0 1 2 2 3 3 2 2	-1 -1 -2 -2 -1 -1 0 1 1 2 2 1 1 0 0	0 0 -1 -1 0 0 0 0 0 0 -1 -1 -1	0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1
NOVENDE											_						_ 2	-1	-1	0	٥	-1	-3	-3	-3	-1	0	6
18 20 24 28 32 36 40 44 48 52 56 60 64 67 77 76	2 1 0 -1 -2 -1 -1 0 1 1 1 2 2 2 2	3 3 1 -2 -3 -3 -2 -1 0 1 2 2 2 2 3 3 3 3	3 2 0 -2 -3 -3 -2 -1 0 1 1 2 2 2 2 2	2 1 0 -2 -2 -2 -1 0 1 1 1 1 1	0 0 -1 -1 -1 0 0 0 0 1 1	-1 -1 0 0 0 0 0 0 0 0 0	-1 0 0 0 0 0 0 0 0 0 0	1 1 -1 -2 -2 -1 0 0 1 1 1 2 2 2 2	5	2 2 1	0 0 -1 -2 -3 -2 -2 -1 0 0 0 1 1 0	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 0	0 0 0 0 -1 -1 -1 0 0 0 0	0 -1 -1 -2 -2 -1 -1 0 1 1 1 1	-1 -2 -3 -3 -3 -2 0 1 1 2 2 2 2	1	-2 -2 -2 -2 -1 -1 0 0 0 0	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 0 0 0 -1 -1 -1 0 0 -1 -1 -1 -1 -1	0 0 0 0 0 -1 -1 0 0 0 0 0 0	-1 -2 -2 -2 -1 -1 0 0 0 0 0 0	-3 -3 -2 -1 -1 0 1 1 1	-3 -3 -2 -1 0 1 1 1 1	-3 -2 -2 -1 0 0 0 0 0 0	-1 -1 0 0 0 0 0 0 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000

S HEMISPHERE

# (DENSITY)/(ZONAL MEAN BENSITY) - 1 (2)

KN LAT=	-80		UTIB - 04-			-30 -	-20	-80			DE 90 -50 -		-30 -	-20	-80 -			E 12 -50 -		30 -	-20	-80 -			E 15		30 -	20 <b>3</b> E6
AUGUST																												
18 20 24 28 32 36 40 44 48 52 55 60 60 64 60 72 76 80	0 0 -3 -3 -2 -2 -1 -1 0 1 1 1 0 -1 -2 -3 -4	1 0 -4 -4 -3 -2 -1 1 2 2 2 2 1 0 -2 -3 -4	1 Q -2 -3 -2 -1 0 2 3 4 4 3 2 0 -1 -2 -3	1 1 0 -1 -1 0 1 2 3 3 1 0 -1 -3 -3 -3	1 1 0 0 -1 -1 0 0 1 1 0 -1 -2 -3 -3	1 1 0 0 0 -1 -1 -1 -1 -1	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 -2 -1 -1 0 1 1 2 2 2 2 1 0 -1 -2 -1 -2 0 1 1 -2 2 2 2 2 2 3 1 0 -2 1 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 -3 -2 -1 0 2 3 4 4 4 4 3 2 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	-1 -1 -2 -2 0 1 2 4 4 5 4 4 2 1 0 -1 -1	-1 -1 -1 -1 -1 0 1 2 3 3 3 2 1	0 0 0 -1 -1 -1 0 1 1 1 0 1 1 1	1 1 0 0 -7 -1 -1 0 1 1 0 0 0 1 1 2 2	1 0 0 0 -1 -1 0 0 0 0 0	-1 -1 -1 1 2 3 3 3 3 3 2 2 1 0 0	-2 -3 -2 1 2 3 4 4 5 4 4 5 1 -1 -1	-5 -5 -3 0 3 4 4 4 4 4 4 3 3 2 1 0 -1 -2 -2	-4 -4 -3 -1 2 3 3 3 2 1 1 1 0 0	-2 -2 -1 0 0 1 2 2 2 1 1 1 1 2 2 3 3 3	0 0 0 0 0 0 0 1 1 1 0 0 0 1 1 1 2 2 2 2	000000000000000000000000000000000000000	-1 -2 1 2 3 3 4 4 4 3 2 2 1 1 1	-5 -1 3 5 5 5 4 4 3 2 2 1	-7 -6 -3 -3 -5 -5 -1 -2 -3 -4 -4	-6 -5 -3 1 4 5 4 2 1 -1 -2 -2 -2 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	-3 -2 -1 0 2 3 3 2 1 -1 -1 -1 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 1 1 1 0 0 -1 -1 -1 -1 0 1 1	0 0 0 0 0 0 -1 -1 -1 -1 0 1 1
SEPTEND								_	_	_								. 4	-1	٥	٥	.1	0	3	3	1	1	1
18 20 24 28 32 34 40 44 48 52 56 60 64 68 67 72 76	-2 -4 -3 0 1 3 4 5 6 6 6 6 6 7 4 3	-9 -7 -3 1 3 5 4 6 6 5 5 5 4 3 3	-11 -8 -4 1 3 4 4 4 3 3 2 1 0 0	-8 -6 -3 1 3 4 3 2 2 1 1 1 0 -1 -2	-4 -4 -3 -1 0 2 2 1 1 0 0 0 0 0 0	-1 -1 -1 0 0 0 0 -1 -1 -1 -1 -1 -1 -2 -2	0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1	-3 -4 -2 1 2 4 4 5 6 6 6 5 4 3 2 1 0	-8 -4 0 3 5 6 6 6 6 6 7 7 1 0	-9 -9 -5 0 4 6 5 5 4 3 2 0 -1 -2 -3 -3 -3	-6 -6 -4 0 3 5 5 4 3 2 1 0 -1 -2 -3 -3	-3 -3 -2 0 2 2 2 1 0 0 -1 -1 -2 -2 -2 -2	-1 -1 0 0 1 1 0 0 -1 -1 -2 -2 -2 -2 -2	0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1	-3 -3 0 2 3 3 4 4 4 4 4 4 4 3 2 0 -1 -2 -2	-4 -4 0 3 5 6 6 5 5 5 4 2 1 -1 2 -3 -4	-4 -3 0 4 6 7 7 6 5 4 3 1 0 -2 -4 -4 -4	-2 -2 0 3 5 6 5 4 3 2 1 0 -1 -2 -3 -4	-1 -1 0 1 3 3 2 1 0 0 -1 -2 -3 -3 -3 -3 -3	0 0 1 1 1 0 0 -1 -2 -2 -2 -2 -2 -2	0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1	-3 -2 2 3 3 3 2 2 2 2 1 0 -1 -3 -4 -4	1 4 6 6 5 4 3 3 3 2 0 -2 4 -5 -5 -5	335787643320-23-45-5	33456542211-23-4-4	1223322100123333	1 1 1 1 1 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	000000000000000000000000000000000000000
OCTOBER	1																											
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	-3 -3 -4 -3 -2 -1 -1 0 0 0 1 1 1 0 0	-5 -4 -3 -2 -1 0 0 1 1 1	-2 -1 0 1 2 2 2 2 2 2 2 1	-3 -3 -3 -2 -1 0 ! 2 2 3 3 3 2 2 1	-1 -1 -1 0 0 1 1 1 1 1 2 1 1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1	-3 -3 -2 -1 0 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0	-5 -5 -3 -1 1 2 2 2 2 1 1 1 0 0 0 -1 -1	-5 -5 -3 -1 1 2 3 3 2 2 1 0 0 -1 -1 -1	-3 -3 -2 0 1 3 3 3 2 2 2 2 1 9 0 0 1 1	-1 -1 0 1 2 2 2 1 1 1 0 0 0 1 2 2 2 1 1 1 0 0 0 0	0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	-3 -2 0 2 3 3 3 3 3 2 2 2 2 2 1 1 0 0	-4 -3 0 3 5 5 5 5 4 3 2 1 0 -1 -2 -2 -2	-4 -3 -1 3 5 4 5 4 3 1 0 -1 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	-3 -2 -1 1 4 4 4 3 2 1 0 -1 -1 -2 -2 -2	-1 -1 0 1 2 3 2 2 1 1 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	-2 -1 2 4 5 5 4 4 3 3 3 2 1 1 1 0 0	-2 -1 3 4 8 8 7 4 5 4 2 1 0 -1 -1 -1 -1 -1	-1 0 3 6 8 8 7 5 4 2 1 0 -1 -2 -2 -2	0 0 1 3 5 5 5 5 3 2 1 0 1 -2 2 -2 -2 -2	0 0 1 2 3 3 3 2 1 0 -1 -1 -1 -1 0 0	0 0 1 1 1 1 1 0 0 0 0 0 0 1 1	1 1 0 0 0 0 0 0 0 0 0 0 0 1 1
MOVENDE	R										_					_	_						-1	-1				1
18 20 24 28 32 34 40 44 48 52 56 64 68 72 76 80	-2 -2 -2 -1 -1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-3 -2 -1 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0	-4 -2 -1 1 1 2 1 1 1 0 0	1 1 0 0 0 0 0 0 0	0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 1	-2 -1 -1 0 1 1 1 0 0 0 0 0 0 -1 -1 -1 -1 -1	2 1 0 -1 -1 -1 -2 -2 -2	3 2 0 0 -1 -; -1 -1 -1	2 1 1 0	0	0 0 0 0 0 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 1 2 2 1 1 0 -1 -1 -1 -1 -1	-2 -2 0 2 3 3 2 1 -1 -2 -2 -3 -3 -3 -3 -3	-2 -2 0 2 4 4 3 1 0 -1 -2 -2 -2 -2 -3 -3	-1 -1 0 2 3 2 1 0 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 1 2 2 2 1 1 0 -1 -1 -2 -2 -2 -2	-1 1 3 4 3 2 0 -1 -2 -3 -3 -3 -3 -3 -3	0 1 3 4 3 2 0 -1 -2 -2 -3 -3 -3 -3 -3	0 1 2 3 2 1 0 -1 -1 -2 -2 -2 -1	01110000-1-1-1-000		

24	HEM	COULDS

#### (DENSITY)/(ZONAL NEAN BENSITY) - 1 (X)

KM LAT=	20			BE 18			80	20		6 I TUI 40			70	80	20		61TU			70	80	20		_	BE 90		76	809E6
SEPTEMBER	1																											
18 20 24 28 32 36 40 44 48 52 56 60 64 64 68 72 74 80	0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	000111111111111111111111111111111111111	1 1 1 1 1 1 1 1 0 0 1 1	1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 0 0 0 0 0	1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 0 0 1 1 1	1 1 1 1 1 0 0 0 0 1 1 1 1 1	1 1 1 1 0 0 0 0 0 0 0 1 1 1 1	1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1	100000000000000001111	1 1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 1 1 1		000000000000000000000000000000000000000		0 0 0 0 0 0 0 0 0 0 1 1		0 0 0 0 0 0 0 0 0 0 1 1 1	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 0 0 0 0 0 0 0 0	-1
18 20 24 28 32 36 40 44 48 52 56 60 44 68 72 72 76	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -2 -1	1 1 1 1 1 1 0 0 0 0 0 -1 -1 -2 -2 -2	-1 0 0 1 3 4 4 4 4 3 3 2 2 1 0 0 -1 -1	-1 -1 0 1 3 6 7 8 7 7 6 5 4 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-1 -1 1 3 6 8 9 9 8 7 6 5 4 4 4 4	-1 -1 -1 0 1 3 5 6 5 5 5 4 4 4 4 4 3 3 3		0 0 1 1 1 0 0 0 0 1 -1 -1 -1 -1 -2 -2 -2	1 1 1 1 1 1 1 1 0 -1 -1 -2 -2 -2 -3 -3 -3 -3 -3	0 0 1 2 2 2 1 0 -1 -1 -2 -3 -3 -4 -4 -4	0 0 1 2 3 4 4 3 1 1 0 -1 -2 -2 -2 -2 -2 -2	-1 -1 0 1 3 5 5 4 3 2 0 -1 -1 -1 0 0	-1 -1 -1 0 2 3 3 3 2 2 1 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1	1 1 1 0 0 -1 -2 -2 -3 -3 -4 -4 -4 -3	1 1 1 1 1 0 2 3 -4 -5 -6 -6 -6 -6 -6 -6 -5	0 0 1 2 2 1 -1 -3 -4 -5 -6 -7 -7 -6 -6 -6	-1 -1 0 1 2 2 1 -2 -3 -4 -6 -6 -5 -5 -4 -3	-1 -1 0 1 2 2 1 0 -1 -2 -3 -4 -3 -3 -3	000000000000000000000000000000000000000	-1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 -1 -2 -2 -3 -3 -3 -3 -3 -3 -3	0 0 1 1 0 -1 -3 -5 -6 -7 -7 -7 -6 -6	-10111146889099887	-1 0 1 1 0 3 -4 -7 -8 -9 -7 -6 -5	0 0 1 1 0 -2 -3 -4 -4 -5 -5 -5 -5 -5 -5
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	1 1 1 0 0 -1 -1 -2 -2 -2 -2 -1 0 0	2 2 1 0 -1 -1 -2 -2 -2 -2 -2 -1 -1 0	1 1 2 2 3 2 2 2 1 1 0 0 0 -1 -7 0 0	-1 -1 0 3 6 8 9 8 7 7 6 6 5 4 3 3 2	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	-2 -1 0 3 7 12 15 15 15 14 15 14 13 11 10 8 7	-1 -1 0 2 4 7 9 9 9 9 8 8 7 6 5 4 4	0 0 0 1 0 0 0 -1 -1 -1 -2 -2 -2 -1 -1 -1	1 1 1 0 0 -1 -2 -2 -2 -2 -2 -2 -1 -1	2 2 2 2 2 1 0 0 0 -1 -1 -1 -2 -2 -1 -1 -1	1 1 2 3 5 6 5 4 4 4 4 3 2 1 0 -1	0 0 2 5 9 12 11 10 10 9 8 6 4 4 2	-1 -1 5 10 13 15 13 12 11 11 9 7 5 4 3	-1 t 0 3 6 9 9 9 8 7 7 6 4 3 2 2 1	-1 -1 0 0 0 0 -1 -1 -1 -1 -1 -1		-2 -2 -3 -3 -3	1 2 2 2 2 2 2 1 1 1 0 -1 -2 -3 -3 -3	0 1 2 4 6 7 6 5 4 4 2 1 1 -1 -3 -4 -4 -4	-1 -1 5 8 10 9 7 6 5 4 2 0 -1 -3 -3	-1 -1 1 4 6 7 7 3 4 4 3 2 1 0 -1 -1	-1 -1 -1 0 0 0 0 0 0 0 0 0 0	-1 0 0 0 -1 -1 -1 -2 -2 -2 -2 -1 -1 -1	1 0 0 -1 -2 -3 -3 -3 -3 -4 -4 -3 -3 -3 -4	1 1 1 1 0 -1 -2 -3 -3 -4 -5 -6 -6 -6 -5 -5	0 1 1 2 3 2 0 -2 -2 -3 -4 -6 -7 -8 -7	-1 0 1 4 5 4 2 0 -1 -2 -3 -5 -4 -7 -7 -7	5 4 2 1 0 -1 -2 -2 -3 -3 -3
18 20 24 28 32 36 40 44 45 52 56 60 64 68 72 76 80	1 1 1 1 0 0 -1 -1 -1 -1 -1 -1 0 0	2 2 2 1 0 0 -1 -1 -2 -2 -2 -2 -2 -2 -2	0 1 3 4 5 4 3 2 1 0 -1 -2 -2 -2	12 9 8 6 4 3 2 1	-4 -4 0 6 12 18 17 18 15 13 11 9 7	-2 -2 0 6 12 16 17 16 14 12 11 10 9 8 8 7 6	0 0 1 3 6 8 9 9 9 8 8 7 7 7 6 6	0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	1 1 2 2 1 0 -1 -2 -3 -4 -4 -3 -2 -1	3 4 3 1 -1 -3 -4 -4 -5 -5 -5 -5	10 11 9 6 3 1 -1 -2 -3 -3 -3	-3 2 8 15 19 17 13 9 7 5 2 1	2 9 15 18 16 12 9 7 4 4 3 3 2 3	4 4 3 3 3	-1 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1	0 -1 -2 -3 -4 -4 -4 -4 -3 -2 -2	0 2 3 2 0 -3 -5 -7 -8 -8 -7 -4 -6 -6	5 1 -3 -6 -7 -8 -9 -9 -7 -6	11 7 2	-3 1 8 12 11 7 3 1 0 -2 -3 -4 -4 -4	2 1 0 -1 -1 -1	-1 -1 -1 0 0 0 0 0 0 0 0 0 0	0 0 0 -1 -1 -2 -2 -2 -2 -2 -1 -1 0 0	-7 -7 -7 -7 -4 -5 -4	-11 -11 -11	-2 -1 1 4 4 0 -5 -8 -9 -10 -11 -110 -9 -8 -7	-321 45 22-5 -4 5 2 -5 -4 -8 -7 -9 8 -7	-2 0 3 4 2 0 -1 -2 -3 -3 -4 -5 -5 -5

1481	 -	
me.		ERE

## (BENSITY)/(ZONAL MEAN BENSITY) - 1 (2)

K# LAT=	20			DE 4		70	80	20		18 I TU 40			70	80	20			DE 0			80	20			DE 3		70	BODES
SEPTEND	ER																											
18 20 24 28 32 36 40 44 48 52 56 60 64 48 72 78		-1 -1 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 0 0 0 0 0 0 -1 -1 -1 0 0	-1 -1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	-1 -1 0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1	-1 -1 0 0 0 0 0 -1 -1 -1 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	-1 -1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 -1 -1 -1 0 0 0 -1 -1 -1 -1 -1 -1 0	0 0 0 0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 1 1 1 1	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 -1 -1 0 0 0	111000-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	1 1 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
9CTOBER 18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1 -1 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1	-1	-7	0 0 1 2 1 -1 -5 -7 -8 -9 -10 -10 -10 -7 -7	-9 -8 -7 -6	1 1 1 2 1 -1 -3 -5 -5 -6 -4 -5 -5 -5 -5	-1 -1 -1 0 0 0 0 1 1 1 1 1 1 2 2	-1 -1 -1 0 0 1 1 1 1 2 2 2 2	0 0 0 0 0 0 0 -1 -1 0 0 0	1 1 1 1 0 -1 -2 -3 -4 -4 -4 -4 -4 -3 -2 -2 -1	1 2 2 2 1 -1 -4 -6 -7 -8 -9 -8 -7 -6 -5 -5	2 2 3 3 1 -2 -5 -8 -9 -9 -9 -8 -7 -6 -5 -4	2 2 2 2 1 1 - 4 5 - 5 5 - 4 4 4 4 4 4 4 4	-1 -1 -1 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1	-1 -1 -1 0 0 1 1 1 1 1 2 2 2 2	0 0 0 0 0 0 0 0 1 1 1 2 2 3 3 3 3	1 1 1 0 -1 -2 -2 -2 -2 -2 -1 -1 0 1 1	2 3 2 0 -2 -4 -5 -6 -6 -6 -7 -4 -3 -2 -2 -2	3 3 3 2 1 -2 -5 -7 -7 -7 -7 -6 -6 -5 -4 -3 -3	2 2 2 1 0 -2 -4 -5 -4 -3 -3 -2 -2 -2	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 0 0 0 1 1 1 1 1 1 2 1	-1 -1 -1 -1 0 0 1 1 1 2 2 3 3 3 3 3 3 3	1 1 0 -1 -2 -2 -1 0 1 1 2 3 3 4 4 3	2 2 1 0 -2 -3 -4 -4 -3 -2 -1 1 1 1	2 2 2 0 -2 -4 -5 -5 -4 -4 -3 -2 -1 -1 -1 -2	1
18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 76 80	-1 -1 -1 -1 0 0 0 0 0 1 1 1	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 0 0	0 0 0 0 -1 -2 -3 -3 -3 -3 -4 -3 -3 -2 -2 -1	-8 -8 -8		-9 -8	0 0 1 2 2 0 -2 -3 -4 -4 -5 -5 -5 -4 -4	-1 -1 -1 -1 0 0 0 1 1 1 1 2 2 1 1	-1 -1 -1 0 0 0 0 0 1 1 1 1	0 0 0 -1 -2 -3 -3 -3 -3 -2 -2 -1 -1 0	-8 -8 -9 -0 -7 -6	2 2 3 2 -1 -5 -8 -9 -10 -11 -13 -13 -11 -10 -8 -6	-11 -12 -12 -11 -10 -9 -8	1 1 2 1 - 3 5 6 6 7 6 6 7 5 5 4 3	-1 -1 -1 -1 0 0 1 1 1 2 2 2 2 2	-2 -2 -1 -1 0 0 1 1 1 2 2 3 3 2 2	-2 -1 -1 0 1 1	-7 -7 -7 -7 -7 -6 -5 -4 -3	-11 -12 -12 -12 -12	-11 -12 -12 -11	2 1 0 -3 -7 -7 -7 -7 -7 -6 -5 -4 -3 -3	-1 -1 -1 0 6 1 1 1 2 2 2 2 2 1	-2 -2 -1 -1 0 1 1 2 2 3 3 4 3 3 2 2	0 0 -1 -1 -2 -1 -1 0 0 1 2 3 3 3 3	-7 -6 -5 -5	-11 -11 -11		2 1 0 -2 -5 -7 -8 -7 -7 -6 -4 -3 -3 -2 -2
DECEMBEI 18 20 24 28 32 34 40 44 48 52 54 66 64 68 72 76 80	-1 -1 -1 -1 0 0 0 1 1 1 1 1	0 0 0 -1 -1 -1 -1 -1 0 0 1 2 2 3 3 3	-5	-11 -10 -9 -9 -8 -7	-12 -11	-1 -1 1 -2 -6 -8 -9 -9 -10 -10 -10 -7 -7	-1 -1 0 1 0 -2 -3 -4 -5 -5 -6 -6 -4 -5 -5	-1 -1 -1 -1 0 0 1 1 1 1 2 2 2 2 2 2 2	0 0 -1 -1 -1 -1 -1 2 3 3 4 4 4 5 5 5 5	3 3 1 -1 -3 -4 -3 -2 6 1 3 3 4 5 6 7	-0		2 2 2 -1 -5 -9 -10 -10 -7 -7 -7 -7 -7 -7 -7 -5	0 1 1 -1 -3 -4 -5 -6 -6 -6 -6 -5 -4 -5 -4	-1 -1 -1 0 0 1 1 1 1 1 2 2 1 1	-1 -1 -1 -1 -1 0 1 2 3 3 4 4 4 4 4	3 2 0 -2 -3 -3 -1 1 3 4 5 6 7 7		6 4 -1 -7 -10 -10 -9 -7 -6 -5 -4 -3 -2 0 0	4 4 3 -2 -7 -9 -10 -9 -8 -7 -4 -4 -3 -2	1 1 1 -2 -4 -6 -6 -6 -5 -5 -7 -4 -4 -3 -3	-1 -1 -1 0 0 1 1 1 1 1	-2 -2 -1 0 1 2 2 2 2 2 2 1 1 1 1	1 0 -1 -2 -3 -1 0 2 3 4 4 5 5 5 5 4 5	5 4 1 -3 -6 -5 -2 0 2 3 4 5 5 5 5 5 5	7 6 2 4 8 10 9 6 4 3 1 0 1 2 3 3 3	4 4 2 4 -0 0 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 0 -3 -5 -6 -7 -6 -4 -4 -3 -2 -2 -2

-	HEMT	SPHERE

#### DEMSITY)/(ZOMAL HEAM BEMSITY) - 1 (%)

KN LAT=	20	LONGITUBE 60 E LONGITUBE 90 E 20 30 40 50 60 70 80 20 30 40 50 60 70 80							80	LONGITUBE 120 E 20 30 40 50 60 70 80							20	LONGITUBE 150 E 20 30 40 50 60					80966					
SEPTENDER		•	•••	•••	••	••	••		••	••	••		•															
18 20 24 28 32 34 40 44 48 52 36 60 64 48 80	0 0 0 0 0 0 0 -1 -1 -1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 -1 -1 -1 -1 -1 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -1 -1 -1 -1 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 -1 -1 0 0 0 0	1 1 0 0 0 0 -1 -1 0 0 0 -1 -1 -1	1 1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 0 0 0 0 0 0	-1 -1 -1 -1 -1 -1 -1 0 0 1 1 1 1 1 0 0	0 0 -1 -1 -1 -1 0 0 1 1 1 1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1	-1 -1 -1 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 0 0 1 1 1 1 0 0	0 0 -1 -1 0 0 0 1 1 1 0 0 0	000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 1 1 1 1 0 0 0 0 0 0	0 0 0 0 0 1 1 1 1 1 1 0 0 0 0 0 0	0 0 0 0 1 1 1 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DCTOBER  18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 76	0 0 0 0 0 0 0 0 0 0 0 0 0 1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 1 1 1 0 0	-1 -1 -1 -1 -1 -1 2 2 2 3 3 3 3 3	0 0 -1 -2 -3 -2 -1 1 2 3 4 5 5 6 5	1	4 4 3 2	0 0 0 -1 -2 -2 -1 0 1 1 2 2 2 2 2 2	1 1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1	1 r 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 -1 1 2 2 2 3 3 3 2 2 1	-1 -1 -2 -3 -3 -1 1 3 4 5 6 7 7 7 6 5 4	-1 -1 -3 -4 -3 0 4 6 7 9 10 10 9 9 8 7	-1 -3 -4 -5 -2 6 3 5 7 9 10 9 8 7 5 4	-1 -2 -2 -2 -2 -2 -2 -3 -4 -4 -3	1 1 1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1	1 1 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 1 2 2 2 2 2 2 2 2 2 1 1	-2 -2 -1 1 3 5 6 6 7 8 7 6 5	-2 -3 -3 -2 1 4 8 10 11 12 12 11 10 9 8 7	-1 -2 -3 -3 -3 0 4 8 10 11 13 3 12 10 9 7	-1 -2 -2 -2 -2 0 3 5 6 6 6 7 7 5 6	1 1 1 1 0 0 0 0 0 0 0 0 1 1 -1 -1 -1 -1 -1	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2 -2 -1 0 1 3 5 6 6 6 6 6 6 5 4 3 2 2	-2 -2 -1 1 4 B 10 ft 11 19 9 B 7 6 4	-1 -2 -2 -1 0 4 B 11 E2 12 11 10 Y B 7 6	-1 -1 -2 -1 0 2 5 6 7 7 7 7 6 5 4
NOVENBER 18 20 24 28 32 34 40 44 48 52 54 60 64 68 72 76 80	0 0 0 0 0 0 0 0 1 1 1 1 2 2 1 1 0 0 0	3 2 2 1 0	2 3 4 4 4 4 3 2	-5 -5 -4 -3 -2 -1 1 2 3 4	-6 -4 -2 0 1 2	-2 -6 -10 -11 -11 -9 -8 -7 -6 -4 -3 -1	-2 -1 0	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 -1	4	5 6 7 7 6	-2 -3 -5 -7 -8 -7 -4 -2 0 1 3 5 7 7	-1 -2 -4 -7 -9 -9 -6 -4 -2 -1 1 3 4 4	1 2 2	2 2 1 0 0 0 -1 0 -1 -1 -1 -1 -1 0 0	1 1 0 0 0 1 1 1 0 0 0 1 1 1 1 -1 -1 -1	-2 2 1 0 1 3 4 4 4 4 3 3 3 3 2 2 2 1 1 ? 0	-4 -2 0 3 6 7 7 7 7 8 8 8 7 6	-4 -4 -5 -5 -3 0 4 6 7 8 10 12 12 12 11 10 8	-2 -3 -4 -5 -5 -2 1 4 5 6 8 9	-1 -2 -3 -2 -2 -2 -3 -4 -5 5 5 4 4	2 2 1 0 0 -1 -1 -1 -2 -2 -2 -2 -1 0 0	2 2 2 1 1 0 0 0 -1 -1 -2 -2 -2 -1 -1 -1	-1 0 0 1 3 4 4 3 3 2 1 1 0 0 0 0	8 7 7 6 5	-3 -3 -3 0 3 8 11 13 13 14 15 14 13 11 10 8	14 14 14 13 12	
18 20 24 28 32 34 40 44 48 52 54 60 64 68 72 74 80	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -1 0 1 2 2 1 1 1 1 1 1 -1 -1	-2 -3 -3 -2 0 1 2 2 2 2 2 2 1 1	1 -2 -5 -5 -5 -3 -3 -3 -3 -4 -4 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	3 -1 -7 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	2 -1 -7 -70 -100 -100 -100 -100 -100 -100	1 -1 -4 -6 -6 -5 -5 -4 -3 -2 -2 -1 -1 -1	† 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 1 1 1 1 1 0 -1 -2 -2	-3 -3 -2 -1 1 2 3 3 2 2 1 0 -1 -1	-3 -4 -5 -5 -3 0 2 3 4 4 5 5 4 2	3 6 6 6 5	5 5 4 4	-2 -5 -5 -4 -3 -1 0 0 1 1 2 2 2	2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 1 1 1 0 0 -1 -2 -2 -3	-22 -11 13 4 4 4 4 3 3 3 1 1 1 1 1 1 1 1 1 1	-5 -5 -3 -1 -1 -5 -5 -5 -1 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	3 6 7 8 7 7	-5 -2 2 5 7 8 9 9 9	2 4 4 5 5 5 5 5 5	2 2 1 1 0 0 -1 -1 0 -1 -1 -1 -1 0 0	0 0 0 -1 -1 -1 -2	-1 0 1 3 4 5 5 4 4 3 2 1 0 -1	-5 -3 0 4 9 11 11 11 11 10 10 9 4 4 3 3 2	-5 -3 0 5 9 12 14 13 12 12 11 10	-2 -2 0 3 7 11 13 12 12 12 12 11 10	0 -1 0 2 4 6 8 8 8 8 8 8 7 7 7 4

KR LAT=	20		61 TU 40				<b>8</b> 0	20		61 T U 40				80	20			BE 1 50			80	20	LO# 30		DE 9 50		70	903E6
JANUARY																												
18 20 24 28 32 34 40 44 48 52 52 54 40 64 64 72 76 80	1 1 1 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1	1 1 1 2 2 1 1 0 -1 -2 -2 -2 -2 -2 -2 -2 -2	-1 -1 1 3 5 6 5 3 1 0 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	-3 -2 6 11 14 14 11 8 5 3 2 0 -1 -1 0 0	-4 -2 3 11 18 22 23 20 14 13 10 8 5 3 2 2	-5 -4 3 12 19 23 23 21 18 15 12 10 7 6 5 5	-3 -3 1 7 11 12 13 12 12 10 9 8 7 5 4 4	0 0 0 0 0 0 0 -1 -1 -1 -1 -1 -1 -1	0 1 1 1 1 1 0 -1 -2 -3 -3 -4 -4 -4 -3 -3 -3 -3	0 0 2 3 4 3 2 -1 -3 -4 -5 -6 -5 -4 -4 -4 -4 -4	-1 0 3 6 9 9 8 4 1 -1 -3 -5 -6 -5 -5 -4 -2	-1 0 4 11 15 17 15 11 8 5 2 -1 -2 -2 -2 -1 0	-4 -3 3 11 17 18 17 14 10 7 5 3 2 2 2 3 3	-3 -3 2 7 10 11 10 9 7 6 5 5 4 3 2 2 2	0 0 0 0 0 0 0 1 -1 -1 -1 -1 -1 -1 0 0	0 0 1 1 0 -1 -2 -2 -3 -3 -3 -3 -3 -3 -2 -2	1 1 1 2 1 0 -2 -4 -5 -6 -7 -7 -6 -6 -5 -5 -5	0 1 2 3 3 1 -1 -4 -5 -7 -8 -9 -7 -6 -5 -3	-1 0 2 4 4 3 1 -1 -3 -5 -6 -7 -7 -6 -4 -3 -1	-3 -2 1 5 6 6 4 1 -1 -3 -4 -4 -4 -3 -2 0 1	-3 -2 1 4 5 5 4 2 1 0 -1 -1 -1 -1	000000000000000000000000000000000000000	1 1 0 0 -1 -1 -2 -2 -1 -1 -1 -1 0 0	1 1 0 -1 3 -4 -5 -5 -5 -4 -4 -3 -3 -3	-8 -9	-1 -2 -3 -7 -9 -10 -10 -10 -4 -1	-2 -1 -2 -4 -7 -9 -9 -9 -7 -4 -2 -1	-2 -1 0 0 -1 -2 -3 -4 -5 -6 -6 -6 -5 -4 -3 -2 -1
FEBRUARY			۰	_•	•		٠.															_•			. •	_•	_,	. •
18 204 28 32 36 40 44 52 56 60 64 68 72 74 80	2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 1 2 1 0 0 1 0 0 -1 -1 -1 0 0 0	0 1 0 2 4 3 3 1 1 -1 0 -1 -1 -1 -1	-1 0 1 4 8 9 8 6 5 4 4 3 2 1 1 0 0	-2 -1 3 7 12 16 16 16 13 11 10 8 7 5 3 2	-1 -1 3 8 12 15 15 13 11 10 8 4 5 3 2	0 1 4 7 9 7 7 7 6 6 5 4 3 3	1 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1	0 1 1 1 1 1 0 0 0 0 0 -1 -1 0 0	1 1 1 2 4 3 2 1 0 -1 -1 -2 -1 0 0 0	0 1 2 5 8 8 6 5 3 2 1 1 0 0 0 1 1	-1 8 5 9 13 15 13 11 7 6 4 2 1 0 0	-1 -1 3 9 14 15 14 10 8 6 4 2 1 0 -1	-2 -2 6 8 8 6 5 4 3 3 2 2 1 1 0	0 0 1 1 0 0 -1 0 0 0 -1 0 0	0 0 1 0 0 0 0 -1 -1 -1 -2 -1 0 0	1 0 2 1 1 0 1 -1 -2 -2 -1 0 0 1	0 0 2 3 4 3 2 1 0 -1 -2 -3 -1 -1 0	-1 0 3 5 6 6 4 3 0 -1 -2 -3 -4 -4 -3 -3 -3	-2 -2 1 6 8 8 7 4 2 1 -1 -2 -3 -2 -1 -1	-3 -3 1 5 6 5 4 4 2 1 1 0 0 0	-1 -2 0 0 0 0 0 0 0 0 0	0 0 1 0 -1 -1 -1 -1 -1 -1 -1 -1	1 0 2 0 -1 -1 -2 -1 -3 -2 -3 -2 -1 -2 0	-1 -1 -1 -1 -1 -2 -3 -4 -5 -5 -5 -5 -4 -3 -2 -3 -4 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	-1 0 -3 -3 -4 -5 -6 -7 -7 -6 -3 -3 -3 -3 -3 -3 -3 -3 -3 -7 -7 -6 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	-3 -1 1 1 1 0 1 2 -4 -5 -5 -4 -3 -1 0	-3 -3 0 2 2 2 1 1 0 -1 -1 -2 -1 -1 -1 0
MARCH																												
18 26 24 28 32 34 40 44 48 52 52 54 40 44 48 52 74 60	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1 -1 1 2 3 3 2 1 0 -1 -1 -2 -2 -2 -3 -3 -3	-2 -1 1 4 7 8 7 5 3 2 1 0 -1 -2 -3 -3 -3	-1 0 3 7 11 12 12 12 9 7 6 5 3 0 -2 -3 -3	0 1 4 8 12 13 12 10 8 7 5 3 1 -1 -2 -2 -3	0 1 3 6 7 8 8 6 5 4 3 2 1 0 -1 -2 -2	0 0 0 1 0 0 0 0 0 0 1 -1 -1 0 0	1 1 1 1 1 0 0 -1 -1 -1 -2 -2 -2 -1 -1	0 1 2 3 3 2 1 0 -1 -1 -2 -2 -3 -3 -3 -3 -3	0 0 3 5 7 7 6 4 2 1 -1 -2 -3 -3 -3 -3 -2	1 1 4 8 12 13 11 9 6 4 2 0 -2 -3 -3 -3 -2	1 2 5 9 13 14 13 10 7 5 4 2 0 -1 -2 -2	0 1 4 6 8 7 7 7 5 4 3 2 1 0 0 0 0	000000000000000000000000000000000000000	0 0 1 1 1 0 0 -1 -1 -1 -1 -2 -2 -2 -1 -1	1 1 2 2 2 1 0 -1 -2 -2 -3 -3 -3 -3 -2 -2	0 0 2 4 5 5 3 1 0 -2 -3 -4 -4 -4 -3 -2 -2	-1 0 2 6 7 7 5 2 0 -1 -3 -4 -3 -3 -2 -1	-1 0 3 7 10 10 9 4 4 2 0 -1 -2 -2 -2 -1 -1	0 0 2 5 7 7 7 5 3 2 1 1 0 0 0	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 1 1 0 -1 -2 -3 -3 -3 -3 -3 -3 -2 -2 -1	-1 -1 0 2 2 1 0 -2 -3 -4 -5 -5 -5 -4 -3 -2 -1	-3 -3 0 3 4 4 2 -1 -3 -4 -5 -5 -5 -4 -2 -2 -1	-3 -2 0 3 5 5 3 1 -1 -3 -4 -4 -4 -3 -2 -1 -1	-1 -1 1 2 3 4 3 2 0 0 -1 -1 -1 -1 0
APRIL																									_			
18 20 24 28 32 34 40 44 48 52 54 60 64 68 72	0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1	1 1 1 0 0 0 0 1 1 1 0 0 0	0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	~1 ~1 0 1 2 2 1 0 0 -1 -1 -1 0 0 1 1	-1 -1 0 1 2 2 2 1 1 0 0 0 1 1	0 0 0 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 1 1 0 0 0 0	0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1 1 0 0 0 0 1 1 1 1 1	1 1 2 2 3 2 1 6 0 -1 -1 0 0 1 1	1 1 2 2 3 3 2 7 9 0 0 1 1 1	1 1 2 2 2 2 2 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1 1 1	000000000000000000000000000000000000000	0 0 0 0 0 1 1 1 1 1 0 0 1 1 1 1	1 1 1 1 0 0 0 0 0 1 1 1 1 1	2 2 2 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2 2 2 2 1 1 0 0 0 0 1 1 1 0 0	1 1 2 2 2 2 1 1 1 0 1 1 1 1 1 1 1 1 1	0 0 0 1 1 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1		000000000000000000000000000000000000000	1110000000000000011111	2 2 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 2 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 1 1 1 1 1 1 1

KM LAT=	20			DE 60 50	-	70	80	20	LONG		DE 3:		70	80	20			DE 0 50		70	80	20			DE 3:		70	80BE6
JANUARY																												
18 20 24 28 32 34 40 44 48 55 56 60 64 68 72 76 80	0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 -1 -1 -1 -1 0 1 1 2 2 2 2 2	-1 -2 -3 -3	0 -1 -3 -5 -7 -7 -6 -6 -5 -4 -2 -1 0	-6 -9 -11 -12 -12 -11 -11	-6 -9 -11 -12 -12 -12 -12 -11 -10 -8 -6 -5 -3	0 0 -1 -3 -5 -6 -7 -8 -9 -9 -9 -8 -7 -5 -4 -3 -2	-1 -1 -1 0 0 0 1 1 1 1 1 1 1		2 2 0 -1 -2 -1 1 2 3 4 4 4 4 3 3 4	-4 -3 -2 0 1 2 2 2	-5 -3 -2 -1	-12 -13 -12 -11 -10 -8 -7	2 2 0 -3 -6 -8 -9 -9 -9 -9 -8 -7 -6 -3 -4 -3	-1 -1 -1 0 0 0 1 1 1 1 1 1 0 0 0 0	-1 -1 -1 -1 0 0 1 2 3 3 3 3 2 2	2 1 0 -1 -2 -1 0 2 3 4 5 5 5 5 4 4 4 4	-3 -4 -4 -2 -1 1 2 3 3 3	-5 -8 -9 -9 -7 -5 -4 -3 -2 -1 -1	-7 -10 -11 -11 -10 -9 -7 -6 -4 -3 -3 -3	4 1 -J -6 -8 -9 -8 -7 -6 -5 -4 -3 -3 -3	-1 -1 -1 0 0 0 0 0 0 0 0 0	-2 -2 -1 0 0 1 1 1 2 2 1 1 1 0 0	1 0 -1 -2 -2 -1 1 2 3 3 3 3 3 3 3 3	4 4 1 -2 -5 -6 -5 -3 -1 1 2 2 2 2 1 0 0	-10	-	4 4 1 -4 -6 -8 -8 -6 -5 -3 -2 -2 -2 -2 -2 -2
FEBRUARY 18	-1	0	1	0	0	-2	0	-1	0	1	2	1	-	3	0	0	2		2	4	4	0	-1	1	3	3	5	
20 24 28 32 36 40 44 48 55 60 64 68 72 76	-2 0 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -1 -1 0 -1 -1 -1 -1 -2 -2 -2	1 1 0 -2 -2 -3 -2 -2 -2 -2 -3 -3 -3 -3 -3 -2	0 1 0 -3 -4 -5 -6 -6 -7 -7 -6 -5 -4 -5 -4 -7 -7 -4 -5 -4 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	0 2 2 3 -6 -7 -8 -9 8 -7 5 -4 -1 -1	-2 -1 -2 -3 -4 -5 -6 -7 -7 -7 -7 -7 -4	0 0 0 -1 -1 -1 -2 -2 -3 -3 -3 -2 -2 -1	-1 0 -1 -1 0 0 0 0 0 0 1 0 0	0 -1 0 0 -1 -1 -1 0 0 1 0 0 -1 -1 -1 -1	2 0 0 -1 -2 -3 -2 -1 -2 -2 -3 -3 -3 -2 -3 -3 -3	2 1 0 -2 -4 -5 -6 -6 -6 -6 -5 -4 -3 -2 -1	1 0 0 -2 -4 -6 -8 -9 -9 -7 -5 -3 -1 1 2	1 1 -1 -4 -5 -6 -7 -8 -8 -8 -7 -5 -3 0 1 3	3 0 -2 -3 -4 -5 -5 -4 -4 -3 -2 -1 0	0 -1 -1 -1 0 0 0 0 0 0 1 1 0 0	0 -1 0 0 0 -1 1 1 1 0 0 0 0	2 0 0 0 -2 -1 -2 -1 -1 0 -1 -1	4 2 0 -1 -3 -4 -4 -3 -3 -3 -2 0 0 1 2	2 3 1 -3 -6 -6 -6 -5 -4 -2 0 2 3 5	4 2 -1 -4 -6 -8 -8 -8 -7 -6 -4 -2 0 1 2	4 1 -3 -4 -5 -6 -7 -6 -6 -5 -4 -3 -2 -1	0 -1 0 0 0 0 0 0 0 0 0 1 1 1 1 0 0	-1 -1 -1 0 0 1 1 1 2 2 2 2 2	1 -1 -1 -1 -1 0 1 1 2 2 2 2 2 3 2	3 1 -1 -3 -4 -4 -3 -1 0 0 1 2 3 3 3	3 3 -1 -6 -6 -7 -6 -5 -4 -3 -1 1 2 3 3		2 0 3 5 7 8 8 7 - 6 5 4 3 3 - 2 2 - 2
NARCH					_	_									-1	-1	1	4	6	5	2	-1	-1	2	6	,	5	2
18 20 24 28 32 36 40 44 48 52 54 60 64 68 72 76 80	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	0 0 0 -1 -1 -1 0 0 0	0 0 0 0 -1 -1 -2 -2 -3 3 -3 -2 -2 -2 -1 -1	-1 -1 0 0 0 -1 -3 -4 -5 -6 -6 -5 -4 -3 -2 -1	-3 -2 -1 0 0 -1 -3 -5 -6 -7 -7 -6 -5 -3 -2 -1 0	-2 -2 -1 0 0 -1 -2 -4 -5 -6 -6 -5 -4 -3 -1 0	-1 0 0 0 0 -1 -1 -2 -2 -2 -2 -1 0	-1 -1 -1 0 0 0 0 0 0 1 1 1 1	-1 -1 -1 -1 -1 0 0 0 1 1 1 1	0 0 0 -1 -1 -2 -2 -2 -1 -1 -1 0 0	1 1 0 -2 -3 -4 -5 -5 -5 -4 -4 -2 -1	1 1 0 -2 -5 -6 -7 -7 -7 -7 -7 -3 -4 -2 0 0	1 1 0 -1 -3 -5 -6 -6 -6 -6 -5 -3 -1 0 1 2	1	-1 -1 -1 0 0 0 0 0 0 0 1 1 1 1 1	-1 -1 0 0 1 1 1 2 2 2 2	1 0 -1 -2 -2 -1 0 1 1 1 2 2 2 2	4 2 -1 -4 -5 -5 -4 -3 -2 -1 0 1 1 2 2		4 1 -3 -7 -9 -7 -6 -5 -4 -3 -1 1 3	2 -1 -3 -6 -6 -4 -3 -3 -2 -1 0 1 2 3	-1 -1 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 -1 0 1 1 2 2 2 2 2 2 2	1 0 -2 -2 -2 -1 1 2 3 3 4 4 4 4 4 4 4 4 4	5 2 -3 -6 -6 -5 -2 0 1 3 4	6 2 -5 -9 -11	4 0 -4 -10 -12 -10 -7 -5 -3 -2 0 2 3	1 -2 -5 -7 -8 -7 -5 -3 -2 -1 0 1 2 3
APRIL																												
18 20 24 28 32 36 40 44 48 52 56 64 64 68 72 74 80	000000000000000000000000000000000000000	-1 0 0 0 0 0 0 0 0	0 0 0 -1 -1 0 0 0 0 1 1 1 1 1 0 0	1	1 1 0 0 -1 -1 -1 -1 0 0 0 0 0	1 1 0 0 0 -1 -1 -1 -1 0 0 0 0 -1 -1 -1 -1 -1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	1 1 1 1		2 1 1 0 0 -1 1 -2 -2 -1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 -1 -2 -2 -2 -2 -1 -1 -1 -1 -1	0 0 0 0 -1 -1 -1 -1 -1 -1 -1 -1 -1	- I - 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 0 0 1 1 1 1 1 0 0	0 0 -1 -1 -1 0 1 1 1 1	0	1 0 0 -1 -2 -2 -2 -1 -1 -1 -1 -1 -1	0 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 0 0 0 0 0 0 0 0 0 0 0 0	-1 -1 -1 0 0 0 0 1 1 1 0 0 0	-1 -1 0 1 1 1 0 0	0 0 0 -1	-2 -2 -2 -1 -1 -1 -1 -1 -1	-1 -1 -1 -1 -1 -1 -1 -1 -1

-	REM	 

### (DENSITY)/(ZONAL MEAN DENSITY) - 1 (Z)

KM LAT=	24			DE 6		70	94	20	LONE				70	90	20			DE 1		70	80	20			BE 1'		70	BODES
JANUARY	20	30	10	30	84	/4	••	20	30	70	30		, v	••	••	•	**	••	••	•	••		••	••	••	-	•	
18 20 24 28 32 36 40 44 48 52 56 60 64 48 87 72 76 80	-1 -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 -1 -1 -2 -3 -2 -2 0 0 1 2 2 2 2 1 1	-6 -3 -1 1 2 2 2 1 1 0	-10	54 -17 -10 -110 -27 -3 -1 0 1 1 0 -1 -3	3 3 -1 -4 -6 -6 -5 -3 -2 0 0 0 -1 -1	000000000000000000000000000000000000000	-1 -1 -1 0 0 0 0 0 0 0 0 0 0 0	-2 -2 -2 -1 -1 0 0 1 1 2 2 1 1 1 0	-1 -2 -3 -4 -5 -4 -3 0 1 2 3 3 3 2 2 1	-1 -2 -4 -6 -7 -7 -5 -1 1 3 4 5 5 4 3 2 1	0 -1 -4 -6 -7 -6 -4 -1 1 3 4 5 4 3 2 0 -1	1 0 -2 -3 -4 -3 -2 0 2 3 3 3 2 2 1 1 0	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100000000000000000000000000000000000000	-2 -2 -1 0 1 2 2 2 2 2 2 2 2 2 2 1 1	-4 -4 -3 -1 1 3 4 5 6 6 6 6 6 6 6 6 7 3 3 3 3 3 3 3 3 3 3 3	-5 -4 -2 1 4 6 8 7 9 10 10 9 8 6 5 4	-3 -4 -3 -1 1 3 6 9 10 11 11 10 8 6 4 3 2	-1 -2 -2 0 1 3 4 6 7 7 7 4 5 4 3 3 2	1 1 1 1 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2 -2 0 2 4 5 5 4 3 2 1 1 1 0 0 0	-4 -4 -1 3 7 10 12 11 9 8 7 6 5 4 3 3 2	-6 -5 -1 6 12 16 18 10 14 13 12 10 6 5 5	-5 -5 0 6 12 16 18 18 14 12 10 7 6 5 4	-3 -3 -3 -4 -7 -9 10 11 11 11 11 9 8 7 4 4
FEBRUARY 18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80		-1 0 -1 -1 0 0 0 1 1 2 2 2 2	-1 -2 -1 -2 -1 1 2 3 2 4 4 4 3 4	4 4 4 3	-8 -5 -3 -1 1 2 3 2		-2 -2	-1 -1 0 1 1 0 0 0 0 0 0 0	0 -1 0 -1 -1 0 0 0 1 1 1		-3 -5 -4	0 -1 -5 -9 -10 -6 -3 0 3 4 5 4 3 0 -1 -3	0 -1 -4 -8 -9 -9 -7 -3 0 2 4 4 4 3 1 -1 -2	-1 -1 -2 -4 -5 -5 -4 -1 -1 0 1 1 0 0 -1	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 1 1	4 5 4 3 1 -1	-3 -6 -4 -3 0 3 6 7 8 7 5 3 0 -1	6 4 2 0	0 0 -2 -2 -2 0 2 3 4 5 5 5 4 3 1	2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 0 -1 1 2 2 3 1 1 0 0 0 -1 -1 -2	-3 -3 -2 1 3 5 7 6 5 5 5 5 3 2 0 -1 -1	-3 -3 -2 : 5 8 10 9 11 10 9 6 4 2 1 -1	-2 -2 0 3 4 7 9 10 10 10 10 9 9 7 5 3 1 0	4 3
HARCH  18 20 24 28 32 36 40 44 48 52 56 60 64	000000000000000000000000000000000000000	-1 0 0 1 1 1 2 2 2 2	-2 -2 0 2 3 3 4 4 4 4	3 -1 -5 -7 -4 -1 2 4 5 6 6 6 6	-11 -8 -4 -1 1 3 4 5	1 -4 -8 -12 -12 -10 -6 -3 -1 1 2 3 4 3 3	1 1 1	000000000000000000000000000000000000000	0 0 0 -1 -1 0 0 0 1 1 1	-1 -1 -2 -2 -1 0 1 2 3 3 3 3 3 2 2	5 5 4 3	1 3 4 5 5 5 4 2	-1 1 2 3 3 2 1	-3 -4 -5 -5 -5 -3 -2 -1 0 0 -1 -1	1 1 1 0 0 0 0 0 0 0 0 0 0	0	-2 -2 -1 0 1 1 1 1 1 1 1	-4 -4 -3 -1 0 2 3 3 4 4 4 3 2	-5 -4 -3 -2 1 2 4 5 5 5 4	-4 -4 -3 -2 0 1 2 3 4 4 2 1	-1 0 0 1 1 0 -1 -2 -3 -3	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 -1 -1 -1 -1 -1 -1	2 1 0 0 0 -1 -1 -2 -2	-4 -2 1 3 5 5 4 3 3 3 2 1 0 -1	2 0 -1 -2	2 0 -2 -3	-1 1 3 4 4 4 3 3 3 3 2 1 0 -1 -3 -3
APRIL  18 20 24 28 32 34 40 44 48 52 56 40 64 72 78	00 00 00 00 00 00 00 00 00 00 00 00 00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -1 -1 -1 -1 -1 -1 -1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1 -2 -2 -2 -1 -1 0 0 0 0 -1 -1	-1 -1 -1 -1 -1 -1 -1 0 0 0 0 0 -1 -1	-1 -1 -1 -1 -1 0 0 0 0 -1 -1 -1	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -1 -1 -1 -1 -1 -1 -1 -1		-22 -1 -1 -1 -1 -1 0 0 0 -1 -1 -2 -2	-3 -2 -2 -2 -1 0 0 0 0 0 0 -1 1 -1	-2 -2 -1 -1 0 0 0 0 0 0	-! -1 -1 -1 0 0 0 0 0 0 0 0	1 1 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-20 -20 -20 -20 -20 -20 -20 -20 -20 -20	2 -3 2 -3 2 -3 3 -2 3 -2 6 0 0 1 0 1 0 1 -1 1 -1 1 -1	-2; -2; -1; -2; -1; -2; -1; -2; -1; -2; -1; -1; -2; -1; -2; -2; -2; -2; -2; -2; -2; -2; -2; -2		1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-20 -10 -10 00 00 00 00 00 00 00 00 00 00 00 00 0	-2 -2 0 1 2 2 1 1 6 0 0 0	-1 -1 0 1 1 1 1 1 0 0 1	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Appendix B

**Calculation of Monthly Mean Values** 

#### Zonal Mean Values

The following formulae hold for latitude  $\phi$  in the range 80°S to 80°N and height  $z\ (km)$  in the range 17.5 to 80 km.

Pressure scale height, Href (km)

$$H_{ref}^{-1} = \sum_{n=1}^{9} \sum_{s=1}^{9} c_{ns} \xi^{s-1} \zeta^{n-1}$$
(B1)

where

のではなるのでは、「Managara Managara Managara

 $\xi = \sin \phi$ 

 $\zeta = (z - 48.75)/31.25$ 

and c<sub>ns</sub> (km<sup>-1</sup>) are tabulated below. Pressure, p<sub>ref</sub> (mb)

$$p_{ref} = exp(-31.25 \sum_{n=0}^{9} \sum_{s=1}^{9} c_{ns} \xi^{s-1} \zeta^{n}/n)$$
 (B2)

where  $\zeta^n/n$  denotes unity for n = 0 and  $c_{\mbox{\footnotesize ns}}^{\mbox{\footnotesize }}$  (km  $^{-1}$  ) are tabulated below.

Geostrophic W-E wind, u (m s<sup>-1</sup>)

$$u = (31.25/2\omega r_E) g H_{ref} (1 - \xi^2)^{1/2} \sum_{n=0}^{9} \sum_{s=2}^{9} c_{ns} (s-1) \xi^{s-3} \zeta^n/n$$
 (B3)

where  $\zeta^n/n$  denotes unity for n = 0,  $c_{ns}$  (km<sup>-1</sup>) are tabulated below and

$$\omega = 2\pi/86400 \qquad (s^{-1})$$

$$r_{E} = 6378$$
 (km)

 $H_{\mbox{new}}$  (km) is determined by Eq. (B1) and g by Eq. (2).

#### 2. Values at Longitude λ

Temperature

$$T(\lambda) = T_{ref} + T_1 \cos(\lambda - \lambda_{T1}) + T_2 \cos(2\lambda - \lambda_{T2})$$
 (B4)

where  $\lambda$  is longitude in degrees E.  $T_1$ ,  $T_2$  are the wave 1 and 2 amplitudes tabulated below in units of 0.1K and  $\lambda_{T1}$ ,  $\lambda_{T2}$  are the wave 1 and 2 phase tabulated in degrees.

Pressure

$$p(\lambda)/p_{ref} = 1 + p_1 \cos(\lambda - \lambda_{p1}) + p_2 \cos(2\lambda - \lambda_{p2})$$
(B5)

p<sub>1</sub>, p<sub>2</sub> are the wave 1 and 2 amplitudes of the relative pressure variation tabulated below in units of 0.1 percent and  $\lambda_{p1}$ ,  $\lambda_{p2}$  are the wave 1 and 2 phases.

Density

$$\rho(\lambda)/\rho_{\text{ref}} = 1 + \rho_1 \cos(\lambda - \lambda_{\rho 1}) + \rho_2 \cos(2\lambda - \lambda_{\rho 2})$$
 (B6)

 $ho_1$ ,  $ho_2$  are the wave 1 and 2 amplitudes of the relative density variation tabulated in units of 0.1 percent and  $\lambda_{\rho\,1}$ ,  $\lambda_{\rho\,2}$  are the wave 1 and 2 phases.

## COEFFICIENTS (CO1,...,C91),...,(CO9,...,C99) IN RELATIONS FOR ATMOSPHERIC STRUCTURE 18 TO 80 KM ALTITUDE AND BOS TO BOM LATITUDE

```
JANUARY
COB...C9B = 0.00974671 -0.00410393 -0.01892014 0.0540468B -0.08003740 -0.28698525 0.18811209 0.40709009 -0.05885742 -0.15914147 COP...C99 = 0.01707979 0.01428778 -0.01247656 0.07724107 -0.03135764 -0.32648934 0.27510467 0.54190661 -0.20313416 -0.30102121
FFRRHARY
C04...C94 = 0.01951205 0.01633231 0.01901042 -0.01555432 -0.44483856 -0.28830270 1.00791360 0.56659338 -0.56660753 -0.27338025 C05...C95 = 0.01903430 -0.03950688 0.08856051 0.87039480 -0.80421302 -2.62808290 1.86701597 3.19646671 -1.09506217 -1.38441837 C06...C96 = -0.01508991 0.00229450 -0.01977313 -0.08110399 0.51643227 0.79365021 -1.19544417 -1.56620985 0.62449026 0.80602944
C01...C91 = -0.000719'3  0.12494165  0.00185339  0.0851905  0.03151923 -0.06618478 -0.03783072  0.05706879  0.00427655 -0.03345428  
C02...C92 = 0.00026382  0.00204607  0.01036655  0.01093314 -0.08995171 -0.15337416  0.14935809  0.25318030 -0.07336078 -0.11492910  
C03...C93 = 0.00191448 -0.00106845 -0.01395362  0.09990854 -0.22090545 -0.76210755  0.46213726  1.23933728 -0.20237507 -0.56262198  
C04...C94 = -0.01557576 -0.03331493 -0.04288217 -0.08521011  0.35297362  1.20498591 -0.46908522 -1.98595693  0.19379546  0.93937313
```

# COEFFICIENTS (CO1,...,C91),...,(CO9,...,C99) IN RELATIONS FOR ATMOSPMERIC STRUCTURE 18 TO 80 KM ALTITUDE AND 80S TO 80M LATITUDE

```
JULY
AUGUST
OCTORER
NOVEMBER
DECEMBER
```

 $M \sim$ 

KM LAT=	WAVE 1 AMPLITUDE (0.1K) WAVE 1 PHASE (DEGREES) = -80 -70 -60 -50 -40 -30 -20 -80 -70 -60 -50 -40 -30 -2	UAVE 2 AMPLITUDE (0.1K)  -80 -70 -60 -50 -40 -30 -20  -80 -70 -60 -50 -40 -30 -208E
APRIL  18  20  24  28  32  36  40  44  48  52  56  60  64  68  72	15 16 12 11 5 2 1 184 167 122 92 95 155 26 18 19 15 14 6 1 1 181 162 112 92 79 152 27 16 18 22 21 9 1 2 164 133 86 62 45 344 27 8 18 30 28 14 4 3 103 77 59 43 23 336 26 15 29 38 34 18 6 3 39 39 37 25 8 332 26 24 38 38 32 18 7 4 23 23 21 10 356 328 26 23 34 32 25 14 6 4 24 18 7 353 342 319 25 19 24 22 15 7 3 3 41 30 11 353 342 327 23 18 24 22 14 4 2 3 49 31 11 1 355 331 23 20 28 29 17 6 4 4 41 18 357 350 336 290 246 18 28 33 22 11 7 6 22 356 337 328 307 274 25 16 26 32 25 14 9 6 357 334 321 306 280 256 264 15 25 27 24 16 8 5 332 318 308 290 266 244 25 16 22 21 19 14 7 4 306 299 293 276 256 236 21 18 20 15 14 11 5 5 285 279 274 261 243 222 15	6 1 3 3 0 1 1 1 1 16 74 115 110 272 104 112 7 1 3 2 1 2 0 2 30 66 104 342 295 97 116 9 1 2 1 2 0 1 62 28 54 328 310 326 125 5 1 3 3 4 3 1 1 146 332 327 322 310 326 125 5 1 3 3 4 3 1 1 146 332 327 322 319 306 159 1 2 4 5 4 4 2 1 205 302 312 318 325 305 245 3 2 4 5 4 4 2 1 205 302 312 318 325 305 245 3 2 4 5 4 4 2 1 213 286 305 316 333 311 271 9 1 3 3 2 2 2 1 196 247 275 280 328 293 272 0 2 2 1 2 1 1 2 171 236 188 214 147 244 267 6 4 1 2 3 3 2 2 180 264 122 151 126 225 272 8 5 2 3 5 5 0 3 194 26 88 214 147 244 267 6 4 1 2 3 3 5 5 0 3 194 26 80 95 109 216 284 3 3 3 6 5 4 6 6 2 3 201 31 25 44 87 32 300 1 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 4 6 6 5 7 5 5 4 3 199 34 8 54 68 33 315 5 4 6 6 5 7 5 5 4 3 199 34 8 54 68 33 315 5 4 6 6 5 7 5 5 4 3 199 34 8 54 68 33 315 5 4 6 6 5 7 5 5 4 3 199 34 8 54 68 33 315 5 6 5 6 5 7 5 4 3 199 34 8 54 68 33 315 5 6 5 6 5 7 5 8 2 199 0 40 1 49 55 38 335 6 2 3 6 5 6 5 7 5 2 199 0 40 1 4 7 55 38 335 6 2 3 6 5 6 6 5 7 5 2 199 0 40 1 4 7 55 38 335 6 2 3 6 5 6 6 5 7 5 2 199 0 40 1 4 7 55 38 335 6 2 3 6 5 6 6 5 7 5 2 199 0 40 1 4 7 55 38 335 6 2 3 6 5 6 6 5 7 5 2 199 0 40 1 4 7 55 38 335 6 2 3 6 5 6 6 5 7 5 2 199 0 40 1 4 7 55 38 335 6 2 3 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
76 80 18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	21 20 11 11 8 3 7 273 242 253 245 229 205 15 23 20 10 8 7 2 8 269 257 226 229 215 177 15 2 2 2 2 35 38 26 12 3 4 182 153 136 124 106 36 28 17 37 45 30 13 6 7 158 139 128 116 91 2 30 13 24 36 27 11 10 10 85 100 111 100 60 349 32 20 25 23 20 13 13 12 55 44 56 59 16 342 33 23 33 34 23 16 13 12 43 16 2 3 348 339 34 18 31 39 28 16 10 9 38 7 350 342 332 339 35 14 26 33 25 13 8 7 39 9 354 346 338 357 14 25 31 24 12 8 5 52 18 359 347 340 12 2 19 29 32 25 12 4 2 54 25 357 355 319 8 10 12 20 27 26 14 15 10 46 10 328 303 262 199 18 12 20 27 26 14 15 10 46 10 328 303 262 199 18 12 20 27 26 14 15 10 46 10 328 303 262 199 18 13 17 17 18 17 13 15 9 282 292 281 263 224 199 18 13 17 17 15 12 10 7 259 255 250 232 206 188 14 20 24 23 17 12 5 6 254 243 227 206 179 18 13 17 19 15 12 10 7 259 255 250 232 206 188 14 20 24 23 17 12 5 6 254 243 227 206 179 18 13 17 19 15 12 10 7 259 255 250 232 206 188 14 22 28 27 19 12 5 7 250 238 217 192 184 136 10	9 2 1 3 4 3 2 1 308 3 48 53 12 310 290 6 2 2 4 5 4 3 1 308 348 53 12 310 290 8 4 7 6 5 4 4 2 314 336 8 16 337 287 252 3 3 9 8 6 5 5 3 310 328 336 328 299 270 237 3 2 9 10 10 8 6 3 297 321 310 293 265 251 229 2 1 6 9 12 10 7 4 272 314 294 272 244 233 221 1 1 3 5 10 11 7 4 272 314 294 272 244 233 221 1 1 1 3 5 10 3 11 7 4 272 314 294 272 242 232 212 209 213 6 2 0 0 3 5 6 3 215 323 37 187 202 205 219 3 2 1 3 0 3 4 3 185 257 325 349 183 197 211 0 1 1 4 2 2 3 4 146 25 314 345 142 149 184 0 1 1 5 2 4 4 4 84 201 324 333 147 105 142 3 1 0 4 2 2 2 3 51 16 341 337 144 114 157 3 1 0 4 2 2 2 3 51 16 341 337 144 114 157 3 1 0 4 2 2 2 3 51 16 1 341 327 141 114 157 3 1 0 4 2 2 2 3 51 16 341 337 144 114 157 3 1 0 4 2 2 2 3 51 161 341 327 145 114 15 157 3 1 0 4 2 2 2 3 51 161 341 327 145 114 15 157 3 1 0 4 2 2 2 3 51 161 341 327 145 114 157 3 1 0 4 2 2 2 3 51 161 341 327 145 116 351 355 359 3 2 1 4 1 1 4 2 5 5 54 29 342 314 315 311
JUNE 18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	13 18 20 15 10 1 5 210 182 152 138 137 473 27 15 21 24 17 11 1 7 204 174 148 133 130 331 28 7 17 22 16 8 5 8 161 138 122 112 93 341 28 137 16 14 12 10 7 52 59 63 54 25 341 30 15 23 28 26 22 13 6 38 29 13 5 356 338 31 13 23 34 34 26 12 3 24 14 359 347 341 333 34 13 22 31 29 20 7 2 27 14 358 338 321 313 26 31 22 11 5 3 12 10 358 333 281 221 12 12 12 12 12 12 12 12 12 12 12 1	4 3 2 4 5 6 6 3 344 75 147 192 241 260 271 1 5 3 5 6 7 7 3 346 62 141 190 243 263 279 0 5 5 5 5 5 5 5 2 357 38 124 182 252 281 313 0 1 5 4 2 3 4 3 48 18 69 110 359 355 12 6 2 4 6 7 10 9 5 165 3 21 37 39 34 36 0 2 3 6 11 15 12 6 176 352 3 24 43 43 44 6 1 2 5 9 14 11 5 263 351 354 19 42 44 45 3 3 2 4 3 6 5 3 244 339 346 13 79 67 71 3 4 2 2 1 7 5 3 233 314 349 158 135 123 117 4 6 2 1 2 9 6 4 211 248 9 153 153 123 179 0 6 2 1 1 6 7 5 198 214 50 103 162 91 64 0 5 2 1 2 1 7 5 3 233 314 349 158 135 153 123 179 0 6 2 1 1 6 7 5 198 214 50 103 162 91 64 0 5 2 1 2 1 7 5 187 196 88 35 312 45 33 0 3 2 1 4 6 8 4 165 161 71 29 348 16 359 0 2 2 3 5 9 9 4 81 99 52 31 355 355 323 1 7 6 6 7 12 8 5 30 63 41 34 2 310 249
JULY 18 20 24 28 32 36 40 44 48 52 56 66 64 68 72 76	24 34 39 38 27 11 4 211 197 164 146 144 160 24 28 36 44 43 29 10 4 206 184 152 137 136 152 26 11 130 47 46 28 6 5 109 97 103 105 104 85 31 27 53 44 59 36 17 9 50 51 52 59 53 23 34 31 60 79 82 59 32 13 45 39 30 28 21 8 35 30 56 77 87 70 38 14 44 32 18 9 3358 35 21 44 63 70 59 32 10 56 30 13 355 347 346 35 16 33 49 49 39 21 6 67 28 10 349 332 330 33 16 27 41 39 33 17 6 41 25 5 348 32 304 29 20 26 37 33 27 18 7 47 21 340 340 308 280 24 27 25 24 19 8 35 10 343 316 276 251 28 22 19 18 22 28 22 13 24 37 38 31 47 47 21 340 340 308 280 24 27 27 18 17 340 340 368 280 24 27 27 28 18 19 13 14 21 27 23 14 17 340 276 242 220 200 17 13 8 13 16 19 18 11 0 302 238 216 205 187 18 9 12 17 15 10 6 1 290 222 182 138 119 121 35 19 15 19 19 13 7 4 266 210 171 119 71 74 34	1 9 5 10 11 9 7 5 9 356 225 230 271 293 293 56 7 111 17 13 8 4 31 41 196 213 248 267 277 4 1 5 13 21 16 8 4 257 78 163 202 221 2234 245 4 1 6 13 20 17 10 3 232 117 144 187 198 194 196 7 2 6 12 14 17 11 4 182 135 112 149 169 165 160 4 1 4 9 11 13 11 4 276 157 94 105 133 140 139 7 1 3 6 12 12 9 4 3 355 35 68 98 117 120 2 1 4 5 4 10 6 2 10 301 298 48 78 93 78 11 2 5 12 11 3 2 3 257 255 247 243 252 236 148 0 4 7 15 19 11 6 3 251 228 239 238 234 235 236 148 0 4 7 15 19 11 6 3 251 228 239 238 234 252 318 18 18 5 9 13 22 15 6 4 247 210 230 234 250 253 201 5 9 14 21 15 6 5 245 201 220 229 240 242 201 1 5 9 12 17 12 4 5 241 193 202 220 228 231 213 14 9 17 120 22 3 8 12 8 8 2 3 229 180 159 144 184 184 181 262

•	ME	 204	FDE

AMPLITUDE (0.1K) AND PHASE (DEGREES LONGITUDE E) OF WAVES 1 AND 2 OF TEMPERATURE

,	KM LAT= August						.1K) -30						DEGR		-20						-30						DEGRE -40		-20BE6
	18 20 24 28 33 36 40 44 48 55 56 60 64 68 72 76 80	41 29 27 26 25 28 31 29 28 34 43 46 43 37 31 27	60 50 53 51 47 42 40 46 53 59 60 55 48 43	63 54 62 66 60 47 41 50 62 64 58 46 35 28	44 46 42 45 51 49 35 29 41 54 52 43 32 21	19 21 22 27 30 26 20 21 30 38 35 27 19 12	24 26 23	4 6 7 7 7 5 3 2 7 11 16 20 14 8 7 10 .	184 105 75 65 55 36 14 348 308 274 256 247 239 231 223	170 111 66 47 36 26 8 339 309 287 269 243 229 216	144 115 68 32 15 4 349 321 294 279 267 256 243 228 208	123 105 72 29 346 329 290 261 252 248 245 244 238 234	116 110 87 55 22 360 342 310 266 238 224 215 210 210 215 229 247	65 27 10 2 353 341 293 254 226 196 166 168 197 257	299 311 322 335 348 4 258 233 210 177 155 146 151 174 233	11 10 5 5 5 3 2 1 2 4 4 4 4 2 0 1	27 29 14 10 12 9 3 4 7 11 15 17 16 14 12	44 26 18 25 26 19 15 18 22 19 15	43 48 40 26 30 38 29 21 19 26 25 21 16 14 15	33 27 19 13 18 24 24 20 16 17	17 18 16 14 17 22 20 15 11 10 10 11 13	4 7 4 4 7 10 9 7 7 7 7 5 2 2 3 4 5	3 333 290 259 241 236 217 224 224 224 224 224	349 331 294 241 208 198 213 266 247 216 196 184 175 466 156	330 318 292 228 189 173 167 182 207 212 201 184 162 141 124	324 316 298 253 200 175 161 162 189 210 204 194 176 148 130	329 326 316 299 246 218 186 153 170 215 207 197 181 150 128 112	329 317 295 253 210 182 167 162 177 215 204 188 139 139	341 327 300 234 195 176 169 179 209 240 213 163 152 157
ASSESS DESIGNATION	SEPTEMBE  18 20 24 32 36 40 44 48 52 36 60 64 68 72 76 80	42 58 68 62 58 52 42 28 33 45 50 46 39 30 24	93 107 93 82 71 56 44 57 76 54 38 28 25	108 121 97 72 63 62 55 55	79 76 53 49 56 48 41 43 52 45 34 23 15	43 37 32 36 40 33 25 23 25 19 15 13 11	15 13 10 17 23	2 3 3 4 9 11 11 9 7 5 3 4 5 5 2 1 3	123 71 52 43 37 31 2 328 318 317 302 285 270 255 237	105 73 49 32 17 1 334 315 320 311 298 279 255 228	89 75 54 23 348 321 306 303 308 313 304 294 278 250 221	80 71 57 23 336 396 298 306 309 298 275 252 232	66 47	74 53 4 315 296 282 279 289 301 299 232 205 204 210 225	12 323 282 266 256 248 249 259 263 234 171 156 160 175 273	2 6 4 1 1 1 2 2 2 1 0 2 3 5 5 5 5 4 4	15 9 2 2 5 4 7 8 7 5 4 5 4	3	4 4 2 3 6 6 6 6 6 6	2 3 3 2 1 2 3 3 4 6 5	1 1 1 2 2 1 1 1 2 2 2 2 2 2 1 0 1 1 1 2 2 2 2	1 1 1 1 2 3 2 2 4 3 ! 3	42 31 8 260 246 257 270 291 74 123 159 172 176	95 90 97 279 280 290 287 280 248 215 190 185 188 191	117 123 154 230 271 288 287 271 250 236 222 211 216 248 275	124 134 157 199 272 318 331 213 205 217 235 255 272 284	159 168 188 207 221 284 340 24 42 112 163 191 216 235 248 258 265	170 184 180 175 158 84 52 50 42 90 82 85 170 234 237	47 41 79 103 135 159 202 249 279 260 1144 129 120 45 327
	OCTOBER  18 20 24 32 34 40 44 48 55 66 66 67 72 76 80	46 40 31 28 27 22 25 27 27 20 16 14 14	74 66 45 40 44 48 46 50 51 47 30 16 13 16	74 51 40 53 64 62 61 58 49 30 17 16 17	47 51 42 34 42 50 51 48 44 33 22 19 16	22 24 21 22 27 31 30 27 23 18 16 14 9 3	45458111771013128326	12345555553488656	139 102 65 39 18 4 355 351 350 349 329 298 243 234 215	133 110 75 30 2 346 340 338 337 338 329 246 222 215	127 114 89 34 357 341 337 336 333 327 309 267 229 214 211	120 111 92 41 343 338 334 327 309 274 237 218 207 202	121 117 103 79 32 0 344 323 305 269 230 207 199 203 350 350 350 350 350 350 350 350 350 3	109 80 28 353 337 325 315 299 256 206 187 180 179 182 340	274 273 271 270 267 262 263 269 264 210 153 140 128 108 72	79722453122123678	9 10 9 6 11 14 15 11 6 3 2 2 2 2 2 1	5 6 6 7	3 3 3	1 2 3	4 5 5 4 1 1 2 2 3 3 3 2 1 3 5 7 9 10	1 2 2 1 1 1 1 1 2 2 1 1 1 1 3 4 8 10 8	311 316 333 103 116 117 126 146 275 287 308 24 46 47	292 320 24 68 92 68 95 112 135 107 67 38 19 27	274 329 58 76 83 89 86 55 329 118 125 116 107 93	255 265 38 47 74 78 73 51 255 222 183 160 141 126 107	71 75 94 145 183 215 254 38	251 250 250 247 74 47 75 92 103 101 7 350 10 42	119 127 139 144 214 264 293 321 335 335 133 94 35 18
	18 20 24 28 32 36 40 44 48 35 56 60 64 68 72 76 60	32 33 22 12 27 38 40 33 20 7 8 7 5 4 4 3 2	52 54 43 24 40 57 64 54 53 18 10 10 10 6 6 7	50 56 50 30 39 55 60 50 31 16 9 8 8 7 5 5	35 40 36 22 26 37 39 31 19 11 8 7 7	11 12 10 7 11 14 14 10 6 3 0 4 6 4 1	2 3 3 3 2 1 0 0 1 2 3 3 1 2 4 5	5 6 5 4 1 1 2 3 3 4 4 3 3 2 2	130 114 33 348 338 332 328 320 306 284 290 276 251 251 264	114 100 43 343 328 320 316 313 306 273 284 258 236 276	47 342 321 312 308 304 303 288 244 224 207	91 79 43 334 310 300 295 291 280 260 228 194 180 174	78 61 7 314 297 286 281 290 291 135 135 136 126	275 274 275 274 264 253 181 146 134 125 119 101 323 314	248 249 247 264 15 27 13 339 319 334 20 51 67	1 1 1 1 0 1 2 2 2 2 2 2 2 2 2 2 3	2344455311123345566	2 2 3 4 5 5 5 5 4 2 3 3 5 6 7 7 7	0 0 1 3 4 4 4 3 3 4 4 3 3 2 2 2	4 4 4 3 1 3 3 3 3 5 4 1 4 6 7 6 6	2 3 3 2 1 1 1 1 1 2 2 2 3 4 5 5	2 3 3 2 1 0 1 0 1 2 2 1 2 2 1 1	329 331 340 353 152 158 162 185 214 223 221 219 219 200 199	54 84 77 107 115 147 204 195 152 119 98 89	103 101 77 78 104 136 140 137 110 72 86 84 72	61 128 143 136 128 122 124 141 154 146 117	113 156 105 190 124 44 44 50 55	228 226 217 203 133 90 91 127 178 178 146 97 74 59	128 127 127 130 112 328 273 216 178 178 178 177
	<b>~~</b>			383	£25.	<u> </u>		<b>XXX</b>	<u> </u>	93	<b>12</b> 3		223	, i	111			<b>X</b>						• "[, " • ] • ~ <b>.</b> ~ <b>.</b>					

KM LAT=	WAVE 1 AMPLITUDE (0.1K)	WAVE 1 PHASE (DEGREES)	WAVE 2 AMPLITUBE (0.1K)	UAVE 2 PHASE (DEGREES)
	20 30 40 50 60 70 80	20 30 40 50 60 70 80	20 30 40 50 60 70 80	20 30 40 50 60 70 80DEG
SEPTEMB	ER			
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	4 5 4 3 5 7 5 5 6 2 4 5 8 6 5 7 1 5 4 8 6 4 6 1 5 4 4 4 2 4 1 4 7 6 0 0 1 2 3 11 11 5 1 0 2 3 11 13 7 1 1 3 3 9 11 6 2 1 4 4 6 7 5 4 1 5 3 3 5 6 6 5 3 4 5 5 6 6 8 5 7 7 7 4 3 5 8 7 6 6 3 2 3 7 6 4 3 2 4 4 4 3 5 4 6 8 3 4 10 9 7 9	286 297 71 117 267 272 256 287 299 69 117 262 269 256 286 297 58 117 241 259 255 284 294 30 116 166 223 253 281 292 340 111 123 136 117 233 288 329 91 110 112 81 131 141 330 50 98 99 80 153 106 357 31 78 81 67 207 100 21 26 58 51 21 245 243 20 358 20 8 341 266 266 333 279 279 318 323 271 267 270 271 273 68 374 271 267 270 271 273 68 55 219 254 260 312 316 185 78 160 237 287 15 29 145 78 142 186 354 35 52 135 75 136 147 19 42 58 130 72	3 4 1 5 7 4 1 4 5 1 6 8 6 1 5 5 2 6 10 8 2 4 5 2 5 11 9 3 3 4 2 4 9 8 3 2 2 1 5 8 7 3 0 1 1 5 8 6 2 1 0 1 5 7 5 2 1 1 6 4 0 4 1 1 1 6 5 3 2 2 1 1 6 4 0 4 3 1 2 4 3 2 3 3 1 2 2 3 5 2 2 2 2 1 3 6 2 3 3 1 2 2 3 5 2 2 2 2 3 8 8	355 3 19 257 265 264 220 355 1 19 254 261 260 217 354 1 21 243 248 248 212 354 359 25 223 236 234 207 352 357 31 183 204 215 201 349 354 45 141 174 191 194 321 347 58 115 144 162 184 146 91 64 98 128 148 188 122 88 55 87 118 146 233 82 55 28 91 112 148 274 322 53 42 105 104 142 287 311 94 60 113 68 12 294 314 113 72 120 38 12 326 349 103 89 112 21 18 48 87 103 119 88 14 25 67 103 101 144 68 10 31 70 106 98 162 60 7 34 73
18	5 8 2 18 28 29 16	304 307 241 197 222 227 225	4 4 3 10 10 6 1	31 43 316 308 319 349 24
20	7 10 1 21 33 35 20	305 312 109 184 209 216 213	5 4 3 11 12 7 1	31 43 311 304 314 341 9
24	8 12 8 32 47 51 32	307 326 77 153 176 185 184	5 4 3 12 14 8 2	27 42 300 295 299 313 316
28	9 13 18 48 72 74 47	309 342 74 126 145 155 158	4 3 2 10 13 9 3 2 1 2 8 12 11 5	21 39 277 277 277 277 281
32	9 13 26 63 99 104 65	311 360 70 108 124 136 141		359 22 228 237 244 251 270
36	8 13 29 66 106 110 65	316 13 65 94 112 120 124	1 1 2 8 13 14 6 2 2 3 10 14 16 6	260 234 188 191 212 231 249
40	7 12 26 57 89 85 45	322 19 56 80 97 102 103		230 226 170 167 192 213 225
44	6 9 20 44 58 58 31	320 17 47 66 78 75 69	2 2 2 8 14 14 4 1 1 0 5 12 14 2	208 220 154 147 171 190 211
48	7 7 17 36 44 49 29	309 1 43 58 62 58 51		167 230 47 135 157 179 227
52	8 8 16 30 36 37 24	306 352 37 48 48 36 41	1 2 2 3 10 11 2 2 3 2 2 8 5 2	112 261 342 131 154 180 317
56	7 8 15 23 31 37 17	318 360 19 17 4 338 2		337 281 341 119 146 166 26
60 64	5 6 16 26 34 47 15 3 3 16 29 35 48 13	350	4 3 2 3 5 3 3 3 3 1 2 4 4 7 5	321 299 0 67 115 35 77 311 331 14 44 55 10 106
68	3 4 14 27 31 44 14	124 243 301 303 304 284 283	1 2 2 4 6 8 7 4 4 2 4 7 8 10	249 77 356 15 25 5 126
72	6 11 14 21 26 39 17	163 222 269 287 290 275 279		155 111 338 340 12 4 134
76	9 16 15 17 20 33 18	177 220 246 267 275 266 277	8 6 2 5 8 7 13	148 119 323 315 4 5 138
80	11 19 16 14 17 27 15	183 219 234 247 260 253 269	10 7 3 5 8 6 14	147 122 317 304 2 2 140
NOVEMBER	R			
18	9 9 14 39 54 63 42	293 342 138 182 210 225 232	5 3 8 16 15 9 2	43 30 273 300 327 6 76
20	12 12 19 50 70 80 53	304 353 129 177 204 220 227	6 3 10 19 18 10 3	47 43 266 295 321 1 74
24	14 19 30 68 98 105 67	327 14 113 166 190 204 213	5 2 11 20 19 9 3	60 99 246 280 303 348 76
	17 26 38 77 111 106 61	350 28 100 152 172 182 186	3 4 10 16 14 4 2	91 142 214 251 274 317 66
32	19 29 38 71 106 101 59	5 35 86 135 151 153 151	3 6 11 16 13 5 2	144 149 172 200 219 245 343
36	18 25 30 52 86 92 58	12 34 67 108 125 123 119	3 6 13 20 17 9 4	170 140 139 164 189 226 293
40	15 18 21 36 67 74 47	14 24 31 71 96 96 89	2 5 14 22 20 14 4	176 111 113 143 176 213 255
	12 14 21 32 58 60 39	6 357 3 55 80 81 69	1 6 14 20 18 14 3	75 74 92 122 158 191 210
48	10 14 24 34 62 59 39	353 335	2 8 12 18 14 9 2	34 52 76 107 144 181 209
52	5 12 23 42 71 66 42		2 8 9 11 7 3 3	346 23 54 97 137 229 253
56	6 9 16 43 71 68 41	191 247 353 45 49 47 38	5 9 7 1 2 5 5	282 339
60	14 17 15 38 70 66 35	189 225 297 14 21 28 27	6 10 9 6 2 6 5	
64	16 19 20 39 70 61 30	194 225 275 345 1 12 13	4 8 9 9 4 6 5 0 4 6 9 5 5 3	276 325 331 317 336 345 251
68	13 14 20 39 64 56 26	206 236 275 326 346 357 359		64 345 337 328 351
72	8 10 19 37 58 51 23	229 261 285 314 331 343 345	6 3 4 7 5 5 2	91 89 6 349 0 32 295
76	7 10 17 36 52 46 21	275 303 299 304 319 329 331	10 7 3 7 5 5 2	92 110 64 15 1 54 346
BECEMBER	9 11 16 33 48 41 18 R	303 325 311 298 309 319 320	12 9 5 7 4 5 3	93 115 90 34 5 65 6
18	12 5 40 84 107 92 48	324 41 166 193 212 225 239 327 37 158 187 207 219 232	5 9 8 7 18 19 10 5 10 8 8 20 21 11	66 91 130 2 17 <b>52 86</b> 67 91 126 3 15 <b>50 84</b>
20 24	16 10 47 101 130 111 59 19 22 52 114 147 126 67	338 35 133 170 190 201 208	4 7 4 13 20 19 6	62 85 83 5 17 43 70
28 32	18 31 56 105 125 107 56 15 35 64 100 111 98 55	349 33 98 143 163 168 169 1 27 65 106 121 121 126	1 2 10 19 18 10 6 3 10 21 23 14 15 14	358 334 340 0 18 12 303 272 291 324 347 356 209 205 267 206 315 322 207 263 279
36 40	10 31 68 103 119 105 56 5 24 65 102 118 95 45	8 16 39 67 80 87 101 7 353 14 38 55 64 81	6 15 26 21 12 24 15 6 16 26 17 19 24 9	267 286 313 322 287 263 279 270 286 309 294 241 243 264 274 288 302 262 224 221 227
44 48	3 21 52 83 95 76 35 6 24 44 66 76 64 30	311 329 353 19 36 48 60 274 311 337 7 30 42 50	4 12 16 14 20 16 1 2 6 10 11 15 8 4	310 278 304 248 214 200 63
52	8 26 41 53 63 55 27	260 298 325 0 30 46 50	2 3 4 6 10 2 7 2 4 4 8 10 2 7	8 351 339 214 203 147 30
56	9 24 37 48 56 43 24	246 282 315 341 10 27 40		25 43 51 154 184 93 27
40	9 25 37 51 55 37 20	234 260 298 315 341 358 21	1 4 2 8 7 5 6 1 4 2 7 8 6 3	4 32 43 123 147 76 28
44	9 22 30 50 55 39 20	233 254 288 297 319 329 355		333 21 350 97 103 73 43
48	7 17 21 44 54 42 21	238 258 286 284 301 311 334	1 5 4 9 10 6 2 1 7 5 11 13 4 2	343 28 345 73 75 47 85
72	5 10 12 37 52 43 21	240 271 281 273 287 297 319		42 43 359 54 41 44 149
74	3 8 6 31 51 45 24	263 308 274 262 274 288 309	2 8 7 12 15 2 4	57 49 3 47 54 50 170
80	3 8 2 26 50 44 23	287 337 338 252 266 282 302	2 9 8 13 15 1 5	55 50 6 41 52 46 170

KM LAT=	BAVE 20 3								PHAS 40				80				ITUB 50				WAVE 2 PHASE (DEGREES) 20 30 40 50 60 70 BODES
JANUARY																					
18 20 24 28 32 34 40 44 48 52 36 60 64 68 72 76 80	8 11 1 12 2 11 2 8 3 5 2 2 1 1 1 1 1 1 1 1 2 2 3 4	7 69 9 53 2 36 6 20 5 7 9 13 0 15 8 11 6 9	89 90 48 55 77 97 88 69 48 35 36 38 37 33	138 148 110 73 77 103 106 93 71 61 61 59 54 48	155 164 117 73 75 95 99 93 78 23 70 63 54 43 37	98 104 23 49 49 54 55 53 51 47 42 33 24 20	345 349 350 351 352 348 332 301 300 308 267 258 295 309 321	99 52 28 16 9 2 357 352 336 255 228 246 280 317	15 9 6 4 302 244 242 256 282 326	178 168 144 92 48 30 19 11 358 322 288 262 245 232 222	184 175 159 121 66 39 25 13 0 334 309 286 266 247 23!	188 180 163 125 73 48 29 13 355 333 315 280 261 240	194 182 163 126 86 64 41	6 5 5 5 5 4 3 2 3	9 8 11 13 14 13 12 11 9 8 7 6	13 18 20 19 16 16 16 14 10 5 9 8 5 2 4	37 33 24 20 25 24 20 20 19 19 18 14	49 47 33 23 33 41 34 27 26 29 25 20	45 36 20 21 33 36 28 21 18 16 12 7	15 11 6 9 12 9 6 10 6 12 14 13 9	75 53 347 332 342 2 18 72 48 344 327 337 357 15 63 26 338 325 327 348 358 0 337 326 317 308 312 300 283 297 307 295 261 240 246 262 267 260 247 214 213 227 247 247 244 208 176 203 216 228 231 220 202 173 174 117 210 217 215 215 202 180 92 178 210 212 225 216 172 108 189 174 147 208 210 167 210 171 161 118 176 170 162 231 153 132 106 150 171 160 234 131 97 88 128 149 170 233 84 60 46 100 122 208 230 47 34 325 72 90 258 224 31 20 312 53 67 282 212
FEBRUARY																					
18 20 24 28 32 36 40 44 48 55 52 56 60 64 44 68 72 76	8 8 6 4 1 1 1 1 1 2 1 4 1 1 5 1 4 1 5 1 6 1 5 1 6 1 5	5 28 8 26 1 27 3 33 2 34 2 30 3 22 15 0 6 7 6 9 14 1 18	58 63 62 58 63 65 53 40 29 45 51 47 40 34	90 96 83 74 86 91 78 66 63 72 81 90 70 59	111 110 75 57 75 90 83 72 68 71 78 79 70 58	75 76 48 35 39 45 38 35 34 38 40 40 37 34	346 346 349 349 342 293 329 355 12 47 128 188 212 236 253	114 65 49 39 29 19 14 24 43 81 141 202 235 258 275	34 31 35 51 87 258 268 276 283 290	191 176 152 112 78 55 48 46 32 349 320 307 297 288 277	209 194 165 120 66 55 38 13 349 315 303 291 277	213 202 176 128 88 67 57 40 15 351 332 319 309 299 286	213 202 180 138 94 68 57 37 12 357	15 6 10 10	16 3 15 10 15 1 5 6 7	13 21 5 25 15 24 4 5 12 14 11 8 7	23	53 30 19 12 41 54 21 21 2 6 9	26 17 5 25 39 45 23 13 1	31 4 17 31 24 20 5 3 5 5	156 85 291 330 12 336 119 205 124 159 278 9 388 122 114 326 358 346 331 16 265 312 11 60 354 290 237 286 331 158 176 201 231 232 271 295 168 167 181 194 217 221 340 9 162 141 181 205 186 103 125 210 138 211 189 303 67 218 72 178 172 165 225 92 122 157 133 15 184 82 131 105 110 93 2 338 23 102 94 104 68 3 351 25 92 88 84 50 1 353 25 72 79 60 34 359 357 20 64 41 18 19 3 357 20 64 41 18 19 3 357 12 36 323 354 9 3 15 332 8 308 343 5 9 27 249
MARCH															_						
18 20 24 28 32 36 40 44 48 55 54 40 64 64 68 72 76 80	8 10 9 11 8 2 7 22 5 11 4 1 1 1 2 4 1 4 1 4 1 1 1 2 4 1 1 1 2 4 1 1 1 1	7 24 5 23 1 40 2 50 9 50 4 37 1 24 8 17 4 14 4 15 8 16 9 16 9 15	75 72 50 61 88 95 77 58 46 42 41 38 31 24	110 109 70 68 108 124 103 80 70 73 67 56 42 30 21	116 107 62 50 94 119 102 80 71 75 70 59 43 29 19	75 64 30 20	320 331 344 358 6 5 340 315 303 261 160 181 222 252 264	301 9 25 29 28 24 13 1 0 43 167 196 213 232 250	159 99 60 45 36 30 23 11 353 322 302	205 191 153 88 63 51 45 35 16 346 318 299 286 277 273	212 202 172 101 68 57 49 39 19 355 337 320 304 288 268	212 205 182 98 63 52 47 38 19 359 343 328 313 299 277	208 205 193 70 47 41 41 34 13 356 346 336 325 310 275	4 4 4 2 1 2 3 3 3 3 2 1 2 3 4 5 5 5 5	3 4 3 2 1 2 2 1 2 3 4 3 2	10 8 1 6	22 12 4 7 9 6 4 3 5 7	23 22 16 19 23 23	15 17 16 14 16 18 17 10 6 4 4 3 4 5 6 6	6 6 4 6 7 6 3 2 4 6 6 5 4 3 3 2	86 25 298 285 276 272 245 87 28 297 281 270 242 236 89 37 295 270 251 237 214 89 51 289 231 208 195 163 256 82 128 152 160 155 118 265 138 125 135 142 141 105 247 183 124 128 134 134 110 271 224 134 132 144 146 127 284 299 174 180 190 158 105 312 332 203 242 225 175 85 3 20 179 219 214 156 90 71 117 153 196 185 92 99 103 138 117 156 123 42 113 118 135 75 99 48 23 130 129 128 55 61 48 22 144 136 113 46 49 40 24 161 141 100 43 43 38 30 156
APRIL																					
18 20 24 28 32 36 40 44 48 52 55 64 60 64 68 72 72 74	5 11 5 1 5 1 4 3 3 3 2 2 2 1 0 1 1 1 1 1 1	1 5 0 11 7 15 3 14 2 10 3 4 4 2 4 7 3 10	23 20 12 19	24 29 31 22 16 23 26 21 15 13 13 9 6 6 5 5	14 17 21 20 15 12 14 14 12 9 8 6 4 4 6 7	67998886446543445	302 295 280 257 226 204 200 214 246 278 286 230 178 156 130	321 320 317 315 302 183 173 191 208 216 176 356 339 332	141 83 10 360 359 358 358 220 212 215 206 199 208 326 348	160 147 96 31 14 7 356 314 257 238 217 200 235 287	168 157 136 76 35 18 5 337 296 268 239 174 153 128 110	170 161 148 121 72 35 11 346 311 272 244 197 141 122 112	208 195 173 141 98 67 41 3 277 254 264 297 343 11 24	3 4 3 3 1 1 2 2 1 1 2 2 1 3 5 6 7	5 5 5 4 2 1 3 3 3 4 3 1 3 5 6 7 <b>8</b>	6 7 7 4 3 3 4 3 2 2 2 1 1 1 1 1 2	578753421477742356	67863111233455531112	5 6 7 7 4 1 1 1 1 1 2 2 2 1 T 0	23332110124542023	40 35 0 317 246 210 170 38 34 358 316 244 207 172 34 31 353 312 241 207 178 22 28 337 303 238 203 205 356 5 281 276 227 177 218 278 256 231 234 167 171 246 237 232 215 204 83 15 278 225 237 220 173 50 10 286 237 248 264 320 21 11 183 10 284 314 330 357 22 180 24 270 331 328 338 17 174 46 237 8 327 328 337 176 144 144 87 333 308 355 178 176 150 128 17 300 335 178 176 150 128 17 300 355 203 186 158 167 76 287 360 282 170 165 203 106 141 17 4 173 171 217 111 125 65 6

KM LAT=					E (0 -40			VAU -80		PHAS -60				-20					1 T U II -50							SE (1 -50			-20DEG
APRIL																													
18 20 24 28 32 33 44 40 44 48 52 56 60 64 68 68 72 76 80	18 21 23 20 14 8 4 2 5 8 11 13 15 16	23 25 24 18 9 4 9 14 19 24 29 32 35 37	45 47 47	16 12 8 7 13 18 22 24 27 30 33 36 38 39 39	7 6 5 3 3 7 10 12 13 14 15 17 18 19 20 21	4 5 5 4 3 2 2 3 3 3 4 5 6 8 10 11 12 12	5 5 5 5 5 6 6 7 8 9 10 11 12 13 14 15	240 233 219 210 206 204 207 199 121 68 51 39 27 14 360 343 328	229 215 203 191 172 92 50 44 39 31 23 14 6 358 350	218 205 184 146 89 56 43 38 32 24 15 7 0 355 351	210 194 162 92 51 34 26 23 20 15 7 350 350 343 338	199 184 149 54 23 11 5 4 3 359 349 338 326 317 310	176 176 179 190 224 267 282 289 290 288 262 274 268 262 258	176 182 190 199 207 213 217 218 219 223 228 231 232 228 221		2 2 2 2 3 3 2 2 2 1 1 1 2 2 3 4 5 6 6		11	4 4 4 4 4 4 5 5 5 6 6 6 5 5 5 6 6 7 8 \$10 ft 1	3 3 3 2 2 2 2 3 3 3 3 3 4 5 6 6 7 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 1 2 2 2 2 1 1 1 1 1 0 0 0 0 1 2 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1 1 1 1 1 1 0 0 0 1 1 2 3 3 3	57 64 74 98 135 160 174 179 180 178	26 38 40 33 22 9 1 356 352 353 358 4	30 40 44 39 27 13 4 2 4 12 15 15 12 10 8	36	82 /9 69 47 23 9 26 46 54 55 53	99 100 98 96 89 74 52 38 25 352 21 28 32 35 37	5 51 71 85 90 92 93 92 256 275
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	16 24 27 25 23 22 21 22 24 26 27 28 28 25 22	41 41 37 33 30 29 30 32 34 35 34 31 26	20 31 42 48 45 38 33 31 31 31 31	24 22 22 23 23 23 24 23 24 23 22	3 3 6 8 10 10 11 12 14 15 16 16 16 16 16 11 11 11 11 11 11 11 11	4 4 3 3 2 3 6 9 11 12 14 14 12 8 6 5 6 6	3 3 1 1 4 7 9 10 11 11 11 9 7 5 3 3 2 2	95 96	188 172 161 151 140 128 117 107 97 87 79 73 70 67	181 161 149 140 131 121 109 97 85 73 61 51 43 36 31	179 151 137 126 114 101 86 72 59 45 30 16 5 355 347	171 130 111 92 70 49 33 25 18 9 357 346 334 321 308	156 140 91 16 357 351 350 353 354 353 347 335 305 270 249	140 164 285 315 324 330 334 338 340 340 335 326 307 284 249		654222223334433322	0 0 2 3 3 3 3 3 3 3 3 3 3 3	5 4 3 2 4 5 6 6 7 8 9 10 11	1 2 2 3 4 5 5 7 8 8 8 8 8 9 9 9 10 10 10	2 2 2 3 3 4 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3 2 2 1 2 3 4 5 6 7 7 7 7 6 6 6 6	2 1 1 0 1 2 3 3 4 4 5 6 6 7 6 6	148 153 165 182 195 202 206 207 207 204 199 194 190 187	148 145 139 85 318 315 316 315 316 302 300 301 305	152 132 97 14 329 316 313 315 315 317 319 322 326	136 110 74 42 1 325 304 293 288 289 293 295 297 297 300	75 42 14 340 304 279 263 255 251 247 243 236 230 228 227	71 43 355 304 277 260 249 241 237 232 226 218 212 211 218	63 58 49 236 227 224 220 217 216 208 200 1191 189
18 20 24 28 32 36 40 44 48 55 55 56 60 64 68 72 76 80	9 6 5 6 9 12 14 16	34 28 22 16 11 6 2 8 13 18 21 22 22	29 32 32 26 16 8 1 6 13 20 25 30 32 34	19 14 6 5 10 14 19 24 27 30 31 33 33		7 7 6 4 1 2 4 5 5 5 5 4 8 15 22 27 29	6 5 4 3 3 3 3 2 2 4 9 16 22 26 24	220 218 214 209 205 205 207 217 255 288 299 300 295 288 278	216 205 196 191 188 186 183 173 59 11 1355 348 339 328	214 199 186 182 181 184 203 357 355 351 347 342 337 331 324	196 181 166 154 124 31 2 353 348 343 338 339 329 325 321	171 158 145 119 57 15 357 347 325 309 291 275 266 261	152 151 146 115 358 343 335 328 311 262 211 194 187 182 179	148 171 205 237 256 263 261 258 233 191 174 168 166 165		5 5 5 1 1 2 2 2 3 4 5 6 7 7 6 5 3	44455555555444568	3 2 2 3 4 6 7 7 8 8 8 8 9 10 11 12	4 4 4 5 6 8 10 10 10 10 11 11 11 13 15		5 4 2 2 3 6 9 10 11 11 12 13 15 16 18 18	2 2 1 2 3 4 5 6 6 7 7 8 9 10 10 9 7	175 170 169 175 187 200 204 205 203 200 197 193 187	141 118 92 77 68 61 57 52 51 55 59 64 66	13 59 75 65 51 41 35 31 30 30	52 51 53 54 54 53 50 48 47	70 71 64 51 47 46 51 58 65 67 67 49 41	81 81 73 42 32 34 38 40 44 47 55 56 53 47 40 32 24	74 67 44 28 27 32 35 37 40 45 49 49 49 46 39 33 27
JULY  18 20 24 28 32 36 40 44 48 60 64 68 72 74	9 14 20 14 5 6 11 15 18 21 25 28 33 35 37 36 35	27 33 28 19 25 31 40 47 49 49 46 42	37 40 43 37 28 29 37 45 52 57 62 63 63 61 58 55 50	24 28 35 39 44 51 57 66 69 66 61 55 54	7 10 16 19 22 30 40 46 50 53 54 52 47 42 38 35 35	3 5 6 6 13 20 25 27 29 29 24 21 18 15	3 3 2 1 3 6 8 10 11 11 11 10 7 4 6 4 5	264 242 221 209 178 87 67 66 66 64 69 56 51 47 44 40 37	224 207 186 148 100 74 64 58 51 47 44 41 39	218 196 170 134 90 64 53 46 41 36 33 30 28 27 28	191 169 146 114 81 59 47 40 35 30 24 23 21 21	183 155 130 94 59 38 27 20 14 9 2 354 351 349 350	169 157 131 68 29 15	159 182 227 326 344 348 345 339 332 322 305 279 255 249	,	2 2	9 8 5 3 3 5 6 6 5 5 5 7 8 11 13 15 17	9 11 16 23 21 24 22 23 21 26 25 32 38 43	1 2 7 12 18 23 23 21 22 23 27 32 40 42 44	2 3 5 8 13 17 19 18 19 23 24 27 31	4 3 2 2 3 5 7 7 8 8 7 8 10 10 11 13 12	4 4 4 2 2 2 3 4 5 5 5 6 6 8 9	143 95 83 94 93 94 90 89 92 101 117 153 197	207 211 201 174 166 156 161 155 170 174 188 191 191	235 230 223 210 204 178 192 196 195 204 203 210 204 208	307 278 232 221 213 204 196 197 193 200 205 200 207 204	151 245 229 223 216 199 198 184 180 209 209 212 297	88 14 283 250 214 193 178 167 164 174 180 193 197	122 147 169 181 172 168 157 160 156 165 175 179 181

12	NOVEMBER 18 20	20 24 28 32 36 40 44 48 52 56 60 64 68 72	20 24 28 32 36 40 44 48 52 56 60 64	20 24 28 32 36 40 44 48 52 56 60 64	
120   140   -50   -40   -50	12	42 46 45 42 38 34 31 27 23 18 14 10 8 8 12	25 22 23 33 43 51 57 61 62 61 60 60 57 55 52 47	29 37 35 32 32 30 27 23 19 13 10 15 24 35 43	
32   17    9    4    3    238   245   252   257   244   198   154   10    22    25    20    11    7    4    164   155   136	21 20	64 73 75 72 64 55 47 39 29 12 8 8 11	52 48 52 57 62 65 66 63 60 64 67 70 69 66	38 49 45 40 36 34 33 30 26 18 10 21 34 44	
-50 -40 -30 -20	23	61 70 76 75 66 55 42 32 20 11 2 2 6 9	62 55 59 62 60 54 46 40 35 36 44 51 57 60 58	21 34 37 34 31 32 35 36 35 32 31 35 37 44 47	
44		37 42 48 49 43 35 26 19 15 13 12 10 8 7	44 38 42 46 44 36 28 24 23 26 34 40 45 47	16 14 18 22 25 29 33 34 32 28 27 31 36 41 44	
4 3 238 245 252 257 244 198 154 10 22 25 20 11 7 4 164 155 136 124 124 128 129 4 3 238 245 252 257 244 198 154 10 22 25 20 11 7 4 164 155 136 124 124 128 129 3 2 197 186 192 182 189 183 216 2 5 6 7 4 2 2 90 14 81 44 21 34 49 3 238 247 186 187 187 187 187 187 187 187 187 187 187		19 21 23 23 20 16 12 11 10 9 7 5 4 5	24 21 21 18 14 12 14 17 22 26 29 31 32 33	8 6 7 10 14 18 20 21 18 15 14 17 20 24 26	
-20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -40 -40 -40 -40 -40 -40 -40 -40 -4		9 9 7 5 3 1 1 3 3 5 7 9	11 10 8 5 1 6 10 14 16 17 19 19 20 21 23	4 3 1 3 6 9 10 11 11 10 9 10 14 16 18	
-80 -70 -80 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -20 -80 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -30 -70 -40 -50 -40 -40 -40 -40 -40 -40 -40 -40 -40 -4		4 4 4 4 5 6 7 8 8 9 9 9	5 5 4 5 7 9 11 12 13 14 14 15 15 15	3 2 2 4 5 5 6 6 6 6 7 9 12 15	
245 252 257 244 198 154	222 202	207 187 174 166 161 158 155 153 150 144 138 140 155 180	225 140 104 88 79 72 68 63 57 49 39 28 18 9	225 197 181 169 159 150 139 130 125 131 165 209 222 226 227	
-60 -50 -40 -30 -20	225 204	201 183 171 164 161 159 158 158 158 160 175 199 209 211	207 162 127 105 90 79 72 64 54 41 27 15 5 358 353	227 196 176 158 141 124 110 97 85 68 35 309 273 259 249	
-50 -40 -30 -20	216 198	196 179 166 158 154 150 148 145 140 128 78 316 276 250 237	200 165 133 113 98 87 76 66 48 25 349 340 334 329	233 192 161 135 107 82 64 52 38 19 353 327 308 295 285	
244 198 154	209 193	195 175 160 149 140 132 105 80 47 20 358 332 305 286	197 163 130 109 94 80 66 50 29 6 348 337 329 324 320	240 182 137 106 77 53 37 27 16 357 339 307 294 286 282	
-30 -20	185 175 153	189 171 155 142 129 113 93 67 40 17 354 327 292 272	192 161 131 106 84 55 20 356 343 336 336 318 313 309	229 180 126 84 53 33 21 10 357 333 298 270 255 248 245	
-20	134 137	170 162 155 148 141 133 106 320 299 274 239 218 207 204 204	182 160 143 136 202 277 278 279 281 284 282 277 270 263 260	193 183 149 20 7 1 354 343 326 301 265 228 208 202 205	
-80 -70 -60 -50 -40 -30 -20	114 122	154 165 181 200 215 224 230 235 239 240 234 223 209 198 189	173 175 189 214 229 236 238 240 241 242 240 236 230 227 227	164 216 273 298 309 315 317 308 293 268 232 199 181 176 179	-20
-70 -60 -50 -40 -30 -20		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 1 1 1 2	8 2 2 2 3 3 4 4 4 4 5 6 6 7 6	
-60 -50 -40 -30 -20		9 6 8 10 12 15 16 17 18 18 19 19	9 8 7 7 8 9 10 11 11 11 10	17 5 5 7 7 7 8 8 10 12 14 16 20 22	
-50 -40 -30 -20		11 10 11 13 16 19 22 23 23 23 24 24 25 26 28	16 13 10 9 10 12 13 14 15 16 16 17 17	19 6 10 13 12 12 13 14 17 21 25 29 32 34 35	
-40 -30 -20		8 6 7 9 11 13 14 14 14 14 14 14 15	10 8 7 6 6 7 7 8 8 8 9 11 12	15 7 14 21 20 19 19 21 25 32 37 41 44 45	
-30 -20	3 3 3 3	5 3 1 1 1 2 3 4 4 4 4 4 4 4 5	4 4 3 3 3 4 4 4 3 2 1 2 3 4	8 4 11 17 20 20 20 21 23 28 34 39 42 43	
-20		2 1 0 1 1 1 1 1 2 2 2 2 3	2 2 1 1 1 1 1 2 2 2 3 3 3	5 8 9 10 11 13 14 16 19 21 23 25 26	
164   155   136   124   124   128   129     157   147   131   115   113   117   118     90	-	1 0 1 1 1 1 1 0 0 0 0 0	1 2 2 2 2 2 2 2 2 2 2 2 1 1 2 3 3 3 3 3	3 2 2 2 1 2 3 5 6 7 8 9 9	
-70 -40 -50 -40 -30 -200  155 136 124 124 128 129 147 131 115 113 117 118 94 81 44 21 34 69 351 336 336 33 33 23 221 307 315 312 311 347 296 285 297 296 288 297 275 256 275 277 261 221 264 235 253 257 237 195 263 224 237 245 222 188 264 220 297 235 214 187 258 217 225 232 212 195 247 217 222 228 212 203 236 214 217 222 228 212 203 236 214 217 223 207 205 214 206 211 213 200 201 206 201 204 207 192 196 200 195 201 201 186 192  310 321 317 351 16 27 321 325 317 330 16 31 343 333 317 346 19 34 353 332 314 337 24 43 352 325 305 332 37 35 343 314 303 322 46 43 337 312 308 337 43 55 343 314 303 322 46 43 337 312 308 337 43 55 343 314 303 322 46 43 337 312 308 337 43 55 343 314 303 322 46 43 337 312 308 337 43 55 343 314 303 332 45 48 337 312 308 337 43 55 343 314 303 332 45 48 337 312 308 337 43 50 321 298 293 360 46 58 317 294 285 317 68 89 313 292 280 257 70 100 301 288 278 252 77 48  103 75 82 87 77 331 100 72 82 88 77 347 82 65 81 90 91 44 61 59 77 84 201 94 61 77 77 54 224 132 75 74 77 51 11 6 61 77 77 54 224 132 75 74 77 51 11 6 81 77 77 51 25 138 82 74 77 75 111 6 83 74 77 75 111 6 83 74 77 75 111 6 81 77 77 51 25 138 80 78 85 74 42 75 77 80 87 74 33 156 142 78 81 89 72 40 24 78 81 89 72 40 24 78 81 89 72 40 24 78 81 89 72 40 24 78 81 89 72 40 24 78 81 89 72 40 24 78 81 89 72 40 24 78 81 89 72 40 24 78 81 89 72 40 24 79 914 195 133 101 290	216	117 62 7 6 24 52 73 81 85 83 78 67 61 56	241 353 355 352 345 327 322 328 337 346 344 318 219	157 90 8 322 301 281 278 270 271 263 261 253 252 249	
-60 -50 -40 -30 -200  136 124 124 128 129 131 115 113 117 118 81 44 21 34 69 336 336 330 334 22 307 315 312 311 347 285 297 296 288 297 256 275 277 261 221 235 253 257 237 195 224 239 245 222 188 220 229 235 214 189 219 225 232 212 195 217 222 228 212 203 214 219 223 207 205 211 215 218 205 205 206 211 213 200 201 201 204 207 192 194 195 201 201 186 192  321 317 351 16 29 323 319 346 17 34 323 319 346 17 34 323 314 337 24 43 325 305 324 37 30 333 319 346 17 34 323 314 337 24 43 325 305 324 37 30 331 334 65 57 314 303 322 66 63 312 308 332 65 68 312 308 332 65 68 312 308 332 65 68 312 308 332 65 68 313 313 34 62 67 306 307 351 61 41 301 303 359 63 50 298 293 340 64 58 294 295 317 68 89 292 280 257 70 100 287 277 251 72 102 288 278 252 75 93 287 278 252 77 48  75 82 87 77 331 72 82 88 77 347 65 81 90 91 64 57 77 64 201 94 61 74 39 230 113 66 75 41 230 123 74 77 61 204 140 75 77 63 156 145 77 77 78 22 102 288 278 252 77 48  75 82 77 74 31 17 74 77 75 111 61 74 77 75 111 61 74 77 75 111 61 74 77 75 111 61 74 78 71 117 14 74 77 75 111 61 74 87 71 117 14 74 77 75 111 61 74 88 71 117 14 74 77 75 111 61 74 88 71 117 14 74 77 75 111 61 74 88 71 117 14 74 77 75 111 61 74 88 71 117 14 74 77 75 111 61 74 88 71 117 14 74 77 75 111 61 81 89 72 40 26 82 90 70 42 20	211	100 82 61 59 65 71 75 78 81 82 83 82 80 79	321 348 353 352 347 343 337 327 324 321 317 313 306 301	149 94 351 321 296 263 264 258 249 236 224 214 206	
-50 -40 -30 -200  124 124 128 129 115 113 117 118 44 21 34 69 336 330 334 22 315 312 311 347 297 296 288 297 275 277 261 221 253 257 237 195 239 245 222 188 229 235 214 189 225 232 212 195 222 228 212 203 219 223 209 205 211 213 200 201 204 207 192 194 201 201 186 192  317 351 16 29 319 346 19 36 313 351 46 19 36 313 34 57 319 346 19 36 314 337 24 43 305 324 37 50 303 312 46 49 309 351 61 61 31 303 312 65 57 303 322 66 63 309 316 56 57 303 324 37 50 303 18 61 61 31 303 317 68 89 280 297 70 100 277 251 72 102 278 252 75 93 278 252 79 48  82 87 77 331 82 88 79 347 81 90 91 64 77 63 156 14 77 75 117 16 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 75 117 14 77 77 117 14 77 77 117 14 77 77 117 14 77 77 117 14 77 77 117 14 77 77 142 20	211 201	72 65 59 61 66 71 74 75 75 74 74 78 80 81	325 333 332 325 318 314 312 310 306 301 298 294 292 289	131 81 336 309 285 256 235 224 220 219 217 214 211 206 201	
-40 -30 -200  124 128 129 113 117 118 21 34 69 330 334 22 127 241 221 127 241 221 257 237 195 245 222 188 235 214 189 235 214 189 232 212 195 228 212 203 223 209 205 213 200 201 207 192 196 201 186 192  351 16 27 350 16 31 36 37 24 43 37 30 384 19 36 337 24 43 337 24 43 337 24 43 337 24 43 337 24 43 337 24 43 341 62 63 351 64 64 351 65 65 317 68 89 257 70 100 251 72 102 252 75 93 252 79 48  87 77 331 88 79 347 90 91 64 39 230 113 41 230 123 54 224 132 61 204 140 63 156 145 77 311 68 89 257 79 100 251 72 102 252 75 93 252 79 48	195	82 81 77 74 75 77 77 77 78 79 82 85 87	319 314 305 300 303 311 309 303 293 285 280 277 278	115 44 336 315 297 275 253 239 229 225 222 219 215 211 206	
-30 -200  128 129 117 118 34 69 334 22 311 347 288 297 261 221 221 237 1955 222 188 214 189 212 127 203 207 205 205 205 205 205 205 205 205 205 207 201 192 194 186 192  16 29 16 33 17 36 66 8 89 70 100 72 102 75 93 77 347 79 347 79 100 72 102 75 93 77 48  24 13 230 123 24 132 204 140 27 198 27 331 27 347 291 64 24 30 113 230 123 24 132 204 140 27 198 28 292 294 140 296 297 297 298 298 298 298 298 298 298 298 298 298	143 170	88 90 84 39 41 54 61 63 67 71 75 76 74	350 346 337 324 318 322 341 351 359 360 317 259 251 252	113 21 330 312 296 277 257 245 235 232 228 223 218 213 207	
129 118 49 22 329 195 22 329 195 22 205 205 205 205 205 205 205 205 205	112	79 91 230 230 224 204 156 125 117 111 96 62 43	16 19 24 37 56 65 62 61 63 66 70 72 75	117 34 334 311 288 261 237 222 214 212 209 205 200 192	
	188	347 64 96 113 123 132 140 145 138 16 61 88 75 41 26	31 36 43 50 57 43 68 69 41 50 58 87 100 102 93	118 69 22 347 297 221 195 188 189 195 205 205 201 196	-200

KM LAT=	WAVE 1 AMPLITUDE (0.12) 20 30 40 50 60 70 80	WAVE 1 PHASE (DEGREES) 20 30 40 50 60 70 80	WAVE 2 AMPLITUBE (0.1%) 20 30 40 50 60 70 80	WAVE 2 PHASE (DEGREES) 20 30 40 50 60 70 80DEG
SEPTEMB	ER			
18 20 24 28 32 36 40 44 48 52 56 60 64 68 80	4 6 6 6 6 4 2 1 4 5 6 6 6 6 4 2 4 5 5 5 5 6 6 6 4 4 6 5 6 7 6 4 4 6 5 6 7 6 2 4 6 4 5 8 6 1 4 5 4 5 8 6 1 4 5 4 5 8 6 0 5 5 3 4 8 6 1 6 6 2 4 7 5 2 6 7 3 4 6 4 3 7 9 4 4 5 3 4 9 12 7 4 4 4 4 9 13 8 2 3 5 6 10 13 8 2 4 7 8	154 166 206 234 209 185 68 161 172 204 229 217 211 259 180 189 201 216 226 239 257 200 208 199 201 224 240 256 212 221 200 188 212 233 255 216 227 203 180 192 214 254 214 228 208 174 172 186 249 210 226 212 170 156 160 234 208 225 215 165 145 144 27 210 223 220 160 138 133 7 216 227 232 165 139 128 347 227 234 248 186 148 128 341 227 234 248 186 148 128 341 235 244 256 237 173 146 13 220 243 261 257 147 143 34 207 239 269 337 107 141 47	2 1 1 6 8 6 2 1 1 2 5 7 6 2 0 1 2 4 6 5 2 1 2 3 3 2 3 3 1 3 4 3 1 3 3 0 3 5 3 0 3 3 1 3 5 4 1 3 4 1 3 5 4 2 4 4 1 3 5 4 2 4 4 1 3 5 5 4 2 4 4 1 3 5 5 4 2 4 4 1 3 5 5 4 2 4 4 2 3 5 5 6 4 2 2 4 5 5 5 7 4 2 2 5 5 5 7 4 0 2 4 5 5 7 4 2 1 4 6 5 8 4 4 3	171 188 350 35 37 38 23 170 191 354 30 32 33 21 67 350 360 12 14 17 18 359 357 5 349 343 347 12 357 357 7 327 304 307 356 356 357 12 313 267 269 241 355 357 15 84 234 242 206 355 356 18 103 205 222 198 358 358 19 98 188 209 200 2 0 20 94 174 201 209 2 3 21 96 164 198 243 356 5 23 98 156 198 243 356 7 28 100 146 199 252 343 12 33 102 136 202 259 347 22 38 102 124 200 271 2 35 44 100 109 31 15 26 48 50 98 96 32 59
18 20 24 28 32 36 40 44 48 52 56 66 60 64 68 77 76 80	7 9 8 10 12 13 11 6 8 8 10 13 13 11 4 5 8 12 17 17 11 3 3 6 16 26 27 15 3 2 8 26 42 24 5 27 5 5 13 39 64 70 43 6 7 18 50 83 90 55 7 9 23 58 95 101 60 8 10 26 63 100 104 61 9 12 28 67 104 106 61 11 13 31 70 104 103 60 12 15 32 69 99 93 57 12 16 33 65 93 82 55 12 16 32 60 84 71 51 11 15 30 54 77 62 48 9 13 27 49 71 54 44 8 11 23 45 66 50 40	150 161 207 281 302 320 325 154 167 207 266 282 299 311 172 182 200 227 241 251 269 212 217 173 185 200 28 215 258 293 125 152 168 177 179 278 335 98 133 148 158 159 288 351 86 121 137 146 148 294 358 79 113 130 138 141 297 340 74 107 124 132 135 298 357 71 103 120 127 130 300 358 67 99 114 124 126 303 359 62 94 113 122 124 307 359 55 89 110 122 124 307 352 42 81 107 128 124 307 352 42 81 107 128 124 297 338 37 79 108 134 129 277 314 33 80 109 142 133	2 2 3 8 12 11 5 1 1 4 8 13 12 5 1 2 4 9 14 14 6 2 2 5 11 16 15 6 3 3 5 12 17 15 6 3 3 4 11 17 15 7 2 3 4 10 16 15 7 2 2 3 8 14 15 7 2 2 3 6 11 14 7 2 2 3 6 11 14 7 2 2 3 6 11 14 7 2 2 3 6 11 14 7 2 3 4 5 10 14 8 2 3 4 5 6 10 14 8 2 3 3 5 6 5 11 5 3 3 5 6 5 11 5 1 2 6 7 6 12 0 1 2 7 8 8 13 4	223 279 2 26 18 6 338 232 301 358 15 12 4 359 4 356 348 354 358 359 358 16 10 340 339 345 351 353 36 16 15 334 328 335 341 343 12 13 328 319 324 328 331 6 8 323 310 313 312 318 360 3 320 302 301 297 306 358 356 321 298 291 284 299 2 349 321 294 280 272 297 2 334 325 292 249 243 299 352 323 326 294 260 261 302 343 321 332 307 260 267 306 337 325 335 326 294 260 261 302 343 321 335 335 326 290 292 311 342 2 335 330 314 303 175 134 64 332 326 326 311 139
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 78 80	10 14 13 20 26 23 15 8 13 13 21 32 31 21 4 8 14 30 51 57 40 1 5 19 46 78 87 59 5 10 27 63 104 110 72 10 16 32 75 121 125 78 13 21 35 78 127 129 79 16 23 35 77 128 127 76 18 25 34 76 128 126 73 19 26 34 77 129 125 69 19 26 35 78 128 122 65 17 23 33 75 122 114 59 13 19 29 70 111 105 54 9 15 25 62 97 94 9 15 25 62 97 94 9 15 25 62 97 94 9 15 25 63 84 82 8 14 18 43 70 70 38 10 17 17 34 57 58 32	137 170 225 270 273 278 273 141 170 214 252 257 260 258 147 162 183 215 229 236 239 153 106 152 192 210 220 225 6 62 132 177 196 206 212 8 51 119 166 185 194 199 9 46 111 159 177 184 188 10 42 103 154 171 177 182 9 37 96 149 165 172 176 7 31 88 143 159 166 170 6 27 81 136 152 160 164 6 25 76 129 146 154 158 4 20 72 124 140 188 152 358 12 68 119 135 143 148 343 360 60 115 130 139 145 326 349 48 113 128 136 143 318 344 33 110 126 135 143	2 3 8 13 17 14 7 1 3 7 13 18 16 7 1 3 7 14 21 18 7 2 3 7 14 21 18 7 2 3 7 16 23 20 8 2 1 6 15 23 21 9 2 1 4 12 21 21 9 2 2 3 9 18 20 9 2 3 4 5 14 17 9 2 4 5 3 11 15 8 2 5 6 4 9 14 8 2 6 7 5 9 14 7 1 6 7 5 9 14 7 1 7 6 3 8 15 7 1 9 7 1 8 16 7 2 9 8 3 8 16 7 5 9 9 4 9 15 8	255 320 16 30 26 17 14 272 328 6 18 19 15 17 360 339 340 353 5 12 23 35 350 315 333 354 10 30 55 10 290 318 347 9 32 24 80 260 304 341 5 25 89 105 213 285 333 356 15 93 100 160 256 325 349 9 87 89 130 209 320 343 6 77 76 111 164 314 338 3 64 61 99 152 307 332 354 28 41 84 156 296 327 346 328 23 63 165 294 325 332 310 14 45 188 296 328 325 342 15 35 305 303 332 321 61 25 36 354 314 337 321 80 40 40 9 322 343 324
18 20 24 28 32 36 40 44 48 52 56 64 68 72 76 80	12 14 16 24 20 11 7 10 13 16 23 28 26 17 4 9 22 43 66 66 41 3 7 29 67 103 103 62 7 12 35 84 125 120 70 10 19 40 91 128 122 73 11 23 44 89 121 117 73 12 26 47 84 112 110 72 12 28 47 80 104 104 69 12 29 48 77 100 101 67 12 30 48 74 96 99 65 11 31 48 67 89 94 63 11 31 47 58 78 87 59 11 31 47 48 66 77 54 11 33 48 40 53 67 49 12 35 48 31 40 57 44	145 186 265 299 298 268 218 144 183 240 265 256 240 228 135 167 194 212 220 222 224 29 111 163 189 204 209 212 8 65 136 171 190 195 199 7 48 111 154 175 182 186 7 39 91 137 162 169 176 6 30 75 123 150 159 169 3 22 64 113 140 152 164 356 13 53 104 133 145 159 348 3 43 95 125 140 155 327 342 22 80 115 133 149 316 332 14 72 112 132 148 303 324 6 59 114 138 150 300 324 5 54 125 146 154	3 6 9 14 22 18 8 2 4 8 15 24 21 9 2 3 7 18 30 27 11 2 4 9 23 36 33 12 2 4 12 29 42 35 12 3 6 17 34 45 33 62 21 13 5 13 28 34 32 23 13 5 14 30 32 26 21 14 5 15 15 31 30 24 20 15 5 15 31 29 23 30 24 21 16 6 16 35 34 30 22 15 6 17 37 36 34 30 22 15 6 17 37 36 34 23 13	292 307 353 30 37 34 18 310 318 360 29 35 36 30 357 359 15 27 32 39 43 10 12 13 23 30 39 41 359 352 359 16 27 33 24 315 327 345 7 21 22 2 315 313 336 359 13 8 345 305 307 332 354 8 358 338 302 305 330 349 4 353 338 305 306 329 347 2 352 342 310 308 331 348 1 352 345 313 311 333 350 3 355 349 313 311 333 350 6 359 351 315 319 334 359 14 5 354 318 325 334 4 20 8 355 322 332 335 7 24 11 357 327 340 337 11 28 12 357

KM LAT=	WAVE 1 AMPLITUDE (0.12) 20 30 40 50 60 70 80	WAVE 1 PHASE (DEGREES) 20 30 40 50 60 70 80	WAVE 2 AMPLITUDE (0.1%) 20 30 40 50 60 70 80	WAVE 2 PHASE (BEGREES) 20 30 40 50 60 70 80DEG
JANUARY				
18 20 24 28 32 36 40 44 48 55 56 60 64 68 72 76 80	8 10 11 10 10 4 1 7 10 12 18 30 28 16 4 9 20 44 76 84 55 1 6 25 64 113 128 84 3 5 25 73 134 150 97 5 10 22 72 138 154 101 6 15 24 64 128 146 100 7 20 31 58 115 134 96 7 22 37 55 102 120 88 8 24 42 55 91 105 79 8 24 43 53 80 90 69 8 23 42 47 66 74 59 8 21 38 38 51 59 49 8 19 36 28 39 47 41 8 19 36 28 37 47 41 8 19 34 20 33 42 36 9 20 34 13 35 44 36 10 23 37 11 43 51 39	164 199 257 248 207 206 115 164 193 226 209 193 192 193 161 177 189 188 185 187 190 112 152 171 178 180 182 185 187 190 112 152 171 178 180 182 185 187 190 182 185 187 190 180 182 185 187 180 182 185 187 180 182 185 187 180 182 185 187 180 182 185 187 180 182 185 187 180 180 180 180 180 180 180 180 180 180	3	290 293 10 36 35 30 29 302 310 5 26 27 24 26 343 345 357 9 13 16 22 1 350 349 357 4 10 17 350 342 342 349 357 4 11 329 329 335 342 351 358 4 309 315 327 335 344 351 356 293 303 320 328 337 343 354 282 293 313 322 331 339 0 271 284 308 315 322 335 8 281 262 306 295 290 337 364 282 262 306 295 290 337 366 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 238 262 306 295 290 337 356 248 263 311 294 281 338 366 221 276 312 301 282 334 297
FEBRUARY				0. 7.0 7. 7. A. 75.
18 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80 HARCH	8	161 194 266 273 244 226 228 161 192 246 247 231 220 220 155 184 210 218 216 213 213 148 !71 186 199 206 207 207 124 150 167 184 195 200 201 97 117 146 168 182 191 194 89 86 123 152 169 181 186 74 66 104 138 158 168 179 30 53 91 128 146 158 173 17 49 85 120 138 149 169 19 50 83 114 129 142 167 30 57 83 107 119 136 167 40 63 83 99 105 130 168 58 69 81 87 78 122 174 159 70 75 67 9 311 190 234 51 60 25 321 298 228 247 336 27 329 302 292 270	4 2 8 22 28 26 14 3 3 9 23 34 29 12 4 2 7 21 47 36 12 4 6 13 28 51 38 10 2 4 11 25 46 36 14 1 3 5 17 49 30 14 2 2 6 12 27 20 14 4 5 10 11 26 16 14 2 3 6 11 16 11 15 4 5 12 10 17 10 15 3 2 7 11 15 10 14 3 9 16 13 17 9 14 5 14 16 21 11 14 4 12 18 19 21 10 14 6 11 20 21 28 14 13 6 9 17 23 25 12 14 5 15 20 25 34 15 14	21 349 11 31 36 26 355 37 351 4 27 31 22 10 174 46 30 22 23 19 28 131 352 11 18 15 16 15 134 355 23 15 10 18 344 276 89 72 16 9 1 310 331 354 62 26 4 354 292 321 57 137 53 7 324 281 6 353 81 56 354 318 281 347 71 136 70 7 306 281 45 13 86 67 1 306 279 358 86 129 73 6 311 290 78 72 103 70 9 313 284 22 86 108 64 3 330 305 67 82 108 63 12 319 287 62 75 78 53 1 339 212 31 81 106 53 13 322 285
18	8 9 8 13 21 29 25	155 183 259 282 253 235 226	1 1 8 20 31 29 13	305 27 62 51 34 27 21
20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	6 9 10 18 34 44 35 4 7 16 38 67 78 56 1 4 18 51 90 102 70 1 2 16 53 96 107 72 3 6 16 46 86 96 63 4 11 20 41 71 76 49 5 14 26 42 61 59 35 5 16 30 46 56 49 25 6 17 33 49 48 34 9 6 18 34 94 83 4 9 6 19 35 47 43 27 2 5 17 34 42 37 24 11 5 15 34 37 34 26 19 5 12 33 33 31 29 24 6 10 33 30 29 31 25 9 9 34 28 27 31 27	159 186 235 248 236 227 220 170 190 209 221 222 219 215 195 183 190 207 213 214 212 328 92 164 193 204 208 210 348 45 124 173 192 200 207 353 37 91 147 176 189 202 353 33 74 122 156 173 194 350 30 66 106 139 157 184 345 27 61 94 124 140 174 342 26 57 84 108 121 165 342 28 51 73 89 93 23 340 29 45 63 68 57 347 333 30 38 52 49 27 340 316 28 31 43 33 9 336 299 20 24 35 21 356 332 289 5 18 28 12 349 327	1 1 7 18 30 28 12 1 3 6 15 26 24 10 2 3 6 13 22 21 9 2 4 6 11 19 18 9 1 4 6 8 15 15 9 1 4 6 8 12 13 9 1 4 7 10 11 11 9 1 3 7 10 10 10 9 1 3 7 10 9 10 9 2 4 7 9 7 9 10 2 4 7 9 7 10 11 2 4 8 9 8 11 12 1 4 9 10 9 12 12 2 4 9 11 11 11 3 13 3 5 10 11 12 14 13 4 5 11 13 15 16 13	327 26 51 43 29 23 19 37 29 27 23 17 15 14 56 33 14 8 10 12 16 60 37 19 8 12 15 23 54 42 38 27 22 24 31 35 46 61 61 38 35 40 356 48 75 83 36 47 44 325 46 81 91 66 54 47 318 40 86 95 76 61 49 320 35 91 103 90 68 53 331 38 98 113 112 74 57 348 47 100 118 116 74 64 25 60 99 117 111 69 69 70 71 96 113 102 65 72 99 77 91 106 89 39 76 114 81 86 98 81 57 79
APRIL				
18 20 24 28 32 34 40 44 48 52 56 60 64 68 80	5 9 10 15 18 12 5 4 8 10 14 17 13 5 3 5 9 15 18 14 8 3 4 7 15 20 16 10 3 5 5 11 19 18 11 4 5 5 6 16 18 11 5 6 6 2 11 16 11 5 6 6 7 8 10 14 10 6 6 8 7 3 11 9 6 6 7 8 2 9 9 6 7 7 9 4 9 9 7 7 8 10 8 10 9 7 7 9 11 8 10 9 7 7 9 11 8 12 8 7 7 9 12 7 12 7 7 8 10 13 7 13 6	148 167 212 267 277 264 232 153 172 210 255 264 254 229 171 191 211 229 234 230 221 199 228 220 212 212 210 213 217 256 247 205 199 197 203 221 265 288 209 190 187 194 220 265 311 284 182 179 185 218 260 319 341 174 174 178 217 254 319 341 174 173 176 217 248 312 331 240 178 178 220 245 299 313 265 188 184 233 243 283 297 262 196 192 224 243 270 283 253 199 198 233 244 263 274 264 196 203 221 251 262 268 269 224 183 207 215 273 279 272 214 173 206	1	200 169 115 92 58 43 39 179 179 130 104 86 57 46 44 58 67 73 70 57 58 63 43 51 53 48 54 94 107 36 46 42 31 53 141 152 31 42 37 21 57 156 175 26 40 36 18 61 157 188 21 38 36 18 64 155 198 17 30 33 17 59 150 198 16 14 23 10 54 148 197 16 334 15 34 15 35 40 141 194 19 343 9 349 23 135 195 24 346 14 345 6 118 195 35 360 17 345 356 101 196 67 107 25 349 351 78 197 147 148 26 358 351 65 198 172 158 22 12 355 64 281

S HEMISPHERE AMPLITUBE (O.11) AND PHASE (DEGREES LONGITUBE E) OF WAVES 1 AND 2 OF DENSITY/(ZOMAL MEAN DENSITY) - 1

KH LAT=					E ((						SE (			-20				. 1 TUE -50				WAVE 2 PHASE (B	
APRIL																							
18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 76 80	14 18 24 27 25 19 11 7 4 8 11 14 16 17	31 26 14 3 5 9 16 23 28 32 36	25 27, 27 23 17 12 14 17 20 27 32 38 42	21 20 18 14 9 12 17 19 21 25 30 33	8 8 9 8 6 3 6 10 11 12 13 16 17 18 19 20 21	4 4 5 5 5 5 4 2 2 2 3 2 2 4 5 7 10 11 11 12	5 5 5 5 5 5 6 6 7 8 9 10 12 13	262 240 219 209 204 205 214 215 191 111 73 55 41 28	252 235 217 203 192 180 143 68 64 54 43 32 21 11	234 224 210 191 162 110 63 52 51 45 34 22 11	225 215 200 177 126 68 37 29 29 30 24 14 3 353 345	216 202 187 167 110 39 12 6 8 14 10 0 345 331 320	179 175 172 172 174 197 259 278 291 310 307 294 281 271 264	169 169 171 174 181 191 201 215 214 212 217 227 235 238 235 228	1 1 2 2 3 3 3 3 2 2 2 2 2 2 2 2 2 3 4 5 5 5	2 2 2 3 5 5 5 5 5 5 5 5 5 7 4 4 4 6 7 9	4 4 4 4 4 5 5 5 6 6 6 5 4 5 6 7 9 10	4 4 4 4 4 4 6 6 6 6 6 8 9	3 3 3 3 2 2 2 2 3 4 4 4 3 2 2 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 1 2 2 2 2 2 1 1 1 0 0 1 1 0 0 2 3 4	1 1 1 1 1 1 1 1 0 0 1 2 3 3 3	50 21 27 41 43 45 44 45 41 49 54 41 44 42 51 29 49 27 38 17 53 12 14 5 46 4 2 357 45 356 355 348 64 345 358 339 2 79 3 342 13 343 143 349 20 2 172 357 18 18 181 5 14 25 183 10 11 28	83 97 328 87 100 346 88 101 36 85 102 70 66 101 85 37 99 91 11 77 92 359 51 88 351 38 96
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	16 28 30 28 24 22 21 21 22 25 28 30 31 30	30 32 35 37 38	17 30 48 56 50 41 35 33 33 34 33 33 33	1c 9 15 25 33 32 26 23 24 25 25 25	6 5 4 6 10 11 11 13 16 18 18 17 17 15 14	4 5 5 5 4 2 5 7 9 12 15 17 15 10 6 5 6	5 5 5 4 2 3 6 8 10 12 13 11 8 6 4 3	211 201 191 182 171 155 143 136 130 119 109	244 204 178 165 155 144 126 119 105 93 82 74 69	245 205 170 154 143 135 127 117 108 94 80 66 54 44 37	253 213 167 145 131 120 109 96 84 71 55 37 21 7	254 206 151 127 107 84 58 43 35 29 16 4 351 339 327	172 160 150 135 64 2 347 346 352 359 354 342 313 272	120 125 139 157 193 291 317 324 330 337 344 345 340 307 263 254	7 7 6 4 2 2 2 2 2 2 2 2 3 3 4 4 4 4 3 3 3	9 9 10 8 4 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	6 6 7 8 5 3 4 6 6 5 5 5 6 8 9 10 11	2 2 2 4 5 5 6 7 8 8 7 7 8 8 9 10	2 2 2 3 4 4 5 6 7 8 8 8 8 8 8 8 8	3 4 3 3 2 2 3 4 5 6 7 8 8 7 7 6 6	2 2 2 2 1 0 1 1 2 2 3 4 5 6 7 7 7	144 152 174 194 144 152 171 182 146 149 156 134 150 143 133 94 160 135 102 66 179 103 38 27 190 316 332 338 197 314 315 308 207 316 310 294 213 320 311 284 213 329 311 284 213 319 314 281 208 314 315 286 202 307 313 291 195 300 314 295 187 296 315 297 185 295 317 298 184 299 321 299	128 91 70 95 78 64 62 58 54 36 25 47 7 340 29 331 302 250 269 272 224 269 257 221 258 247 223 253 238 228 247 230 218 233 218 201 233 218 201 233 207 189 225 202 184
JUNE  18 20 24 28 32 36 40 444 48 52 56 60 64 68 72 76 80	14 16 26 33 29 24 20 18 15 12 8 4 4 8 11	41 39 32 26 21 17 12 5 5 11 18 22 24	27 32 37 39 32 21 13 7 2 8 17 24 29 33 35	14 14 17 22 26 21 10 4 7 10 16 22 27 29 31 33 34	5 6 9 14 15 12 8 9 11 13 14 15 14 16 16	7 7 8 8 7 3 2 5 6 8 9 8 5 12 28 31	23 28	226 220 214 209 205 206 204 201 196 215 281 306 308	234 220 205 196 190 189 185 178 150 46 14 3 356 348	238 220 198 186 180 181 180 131 11 354 348 342 336	226 205 183 168 155 133 68 20 6 356 349 343 337 332 327	204 180 165 152 131 76 25 7 357 349 322 299 278 264	152 154 154 150 134 17 349 345 343 339 324 260 203 790 185	127 130 142 161 195 234 261 264 272 296 315 299 191 170 166 165	7 7 5 1 1 1 1 2 2 2 1 3 4 6 7 8 8 7	4 4 5 5 5 5 5 5 5 5 6 6 5 4 4 3 4 5 5	4 4 4 2 1 3 4 5 6 7 7 8 8 8 8 8 8 8 1 0	6 6 4 3 4 5 6 9 10 10 10 9 9 10 11 13	9 8 6 2 1 1 6 12 14 15 14 14 14 17	8 7 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	432112356657B1011110	177 121 84 109 164 95 97 145	67 82 82 72 88 82 90 113 67
JULY  18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	11 10 23 27 18 9 3 8 12 14 17 21 27 31 36 38 38	16 22 46 50 37 24 17 22 38 42 47 50 52 51 49	33 37 51 59 51 37 29 34 48 57 63 66 66 64 62 56	20 23 32 47 53 49 46 50 55 60 68 73 73 68 63 59	11 10 13 22 29 28 31 40 45 50 55 60 56 50 44 39 36	2 1 6 11 12 8 11 19 25 28 31 33 31 27 22 18	4 4 4 5 4 1 1 8 10 11 13 14 12 9 6 6	328 236 220 212 200	261 227 208 192	252 225 199 128 148 107 25 59 52 45 39 34 30 26 25	238 207 183 161 130 93 66 53 45 38 33 27 22 19	271 208 176 155 121 75 45 33 25 19 12 357 350 345	259 184 173 160 125 49 23 15 10 2 353 343 331 317 305	159 177 193 257 341 351 355 353 346 337 328 312	10 10 4 5 6 3 5 3 4 4 5 4 3 2 1 2	10 10 10 4 2 3 4 7 7 6 4 4 4 4 7 9	5 7 12 20 19 24 25 24 23 19 21 20 26 26 33 34 39	4 4 2 4 10 20 24 26 23 20 19 20 24 28 35 39 43	5 6 1 6 13 18 20 20 17 17 16 17 20 25 28 30	7 6 5 3 4 4 5 6 8 8 9 7 8 9 10 12 11	6 6 4 2 1 2 3 4 5 4 5 5 6 7 9 10 10	174 196 239 38 166 200 241 32 155 213 243 347 85 223 238 278 81 226 228 237 82 192 217 221 98 164 195 199 96 164 195 199 87 152 184 177 86 147 195 187 87 152 187 197 198 147 195 187 190 178 207 194 102 190 207 205 143 192 210 211 225 192 209 209	118 102 118 81 62 123 81 62 123 824 28 118 857 331 170 8242 285 200 8242 285 200 821 236 191 821 202 184 195 185 168 884 157 163 884 157 163 882 160 155 192 177 152 204 188 165 213 196 171 210 198 174

KM LAT=					E (0 -40					PHA: -60								. I TUB -50						PHA -60				-20 <b>0</b> E6
AUGUST																												
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72	41 37 36 36 35 32 29 25 20 12	35 54 58 53 46 41 40 39 40 36 31 21 12 18	44 44 40 36 36 41	32 23 20 26 28 31 37 41 40 33 27 29	14 12 10 11 12 14 19 24 26 25 19 15 16 19		5 5 4 2 2 3 5 5 6 7 9 8 7 12 15	287 221 199 187 175 166 155 142 126 113 107 117	283 227 198 182 166 150 133 116 102 89 74 52 296		276 249 197 154 125 94 62 45 36 29 12 345 315 297	262 236 195 153 113 70 43 29 20 9 348 314 277 257	205 195 183 170 93 17 13 9 357 339 317 286 236 204	141 157 187 246 288 307 324 334 329 312 292 262 207 177	12 15 7 3 2 3 3 3 4 3 3 4 5 7 7	32 19 6 8 8	39 27 9 14 17 15 12 11 11 13 18 24 28 32	22 19 16 15 22	20 14 7 13 21 25 23 21 19 16 19 25 33 40	14 13 8 4 7 10 12 11 11 11 12 14 17 20 23 24	6 6 4 2 3 3 3 2 2 4 6 7 8 9 9	169 138 23 25 345 305 290 277 280 276 275 263 257	159 140 65 1 335 304 276 263 269 279 279 265 249 -232	142 129 63 346 323 300 268 243 226 221 223 221 219 215	132 120 67 350 325 309 282 263 246 234 230 226 223 219	134 120 67 352 327 310 285 245 249 239 234 228 223	140 137 120 67 358 330 308 277 248 226 211 215 216 215 211	141 121 75 22 355 330 274 199 176 174 193 204 209
80	41			44		18				290						21		46									198	
SEPTEMBO	R						·																					
18 20 24 32 33 34 40 44 48 52 56 60 64 68 72 76 80	45 35 27 31 39 47 58 64 66 63 65 64 62 58	79 71 60 57 60 64 70 72 69 63 63 66 71 73 73	79 66 69 72 71 61 54 47 40 38 43 52 59 61	69 57 45 50 56 55 43 33 27 23 26 32 40 45 47	35 29 25 27 28 25 17 12 11 13 21 26 29 30	19 19 20	7 6 5 4 3 5 8 10 12 13 14 14 15 15 15	275 212 158 120 98 85 77 74 71 66 57 45 33 21	246 211 170 139 116 98 85 79 75 69 52 34 19 8	85 80	225 209 176 136 113 97 85 76 68 56 23 357 341 332 326	220 202 171 136 112 92 69 39 12 355 344 336 328 321 315	209 186 157 136 122 109 274 275 281 289 290 282 273 265	177 167 156 160 190 223 233 235 238 243 247 245 238 230 225	7 1 2 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 1 1 1 1	15 9 8 7 6 7 9 10 11 11 11	17 14 10 8 7 9 11	12 10 9 7 6 5 6 7 9 8 7 8 9	5 5 5 5 4 3 3 2 3 4 4 5 5 5 4 2 1 1 2 3	2 2 2 1 1 1 1 1 1 1 2 2 3 3 3 3 3	1 1 1 2 2 2 3 3 3 3 3 2 2 1 1 1 3 4 4	228 258 358 360 359 354 343 319 311 318 340 353 355 333 272	294 329 358 356 354 349 346 338 329 327 325 316 310	315 327 338 329 321 317 318 316 310 304 299 296 292 290	316 321 325 317 301 292 298 309 315 319 311 309 288 279 277	352 355 352 340 317 303 307 321 336 353 8 18 12 262 248	15 15 18 29 59 75	14 23 27 36 44 51 62 74 76 59 19 14 82 108 110
OCTOBER																												
18 20 24 28 33 32 34 40 44 48 52 56 64 60 64 68 72 72 76 80	40 48 51 49 46 42 39 36 32 28 22 16 11 7	80 84 81 73 64 57 48 39	59 64 74 86 86 79 65 54 42 29 14 65 57	38 38 44 55 58	18 18 20 23 28 28 25 20 16 14 13 12 10 6 4 5 5	7 8 9 10 11 9 7 5 2 2 4 5 4 6 9 12	5 4 4 4 3 4 4 5 6 7 9 9 10 10	241 211 189 177 168 162 159 157 156 153 142 131 125 134	235 208 185 172 165 160 159 158 158 158 154 149 152 187 207	235 230 208 183 168 159 154 151 150 147 141 121 69 356 310 246	228 208 183 164 152 143 137 129 116 89 52 24 3339 308	220 201 179 161 147 135 122 104 79 47 21 359 333 288 255	184 175 165 156 148 140 131 106 11 337 311 267 223 207 201	143 147 153 166 186 205 216 222 231 245 250 245 230 214 201	5 1 2 2 2 2 2 2 2 3 2 2 1 1 1	5 4 5	13 11 9 10 13 18 22 23 23 23 23 24 25	12 11 8 6 4 5 7 11 13 15 14 14 13 13 13 15	10 9 7 4 1 1 1 1 2 3 4 5 5 4 3 3 3 4	5 5 3 1 0 1 2 1 1 1 2 2 2 2 1 1 3	1 1 1 0 1 1 1 1 1 1 0 0 0 0 1 1 1 1 1 1	128 118 41 349 356 39 68 85 89 97 72 79	109 108 84 43 41 53 66 72 76 80 83 84 83	80 77 62 49 50 59 70 75 76 75 73 72 74 77	83 84 84 76 69 73 77 77 75 76 80 83 86	86 89 95 113 284 336 47 57 59 63 70 76 79 79	75 75 76 84 207 235 235 242 238 124 130 137 121 36 34	318 336 30 86 107 117 130 143 152 150 335 284 177 164 118
HOVEMBEI	•																											
18 20 24 28 32 34 40 44 48 52 56 60 64 68 72 72 74	17 15 21 24 21 14 5 5 10 13 14 16 17 18 19	32 24 30 36 32 22 8 9 18 23 24 27 29 28 29	30 37 35 25 12 8 15 19 21 24 24 23	29 22 23 27 25 18 9 3 7 10 12 13 14 13 12	12 12 10 11 11 9 6 2 2 4 5 6 6 5 5	6 5 4 3 3 3 3 3 3 3 3 4 5 4 5 4	6 4 3 3 4 4 3 3 2 2 2 1 1 2 2	261 210 174 162 157 152 142 342 333 330 327 325 320 315	256 215 168 150 141 132 109 346 330 326 325 323 319 315 312	250 243 210 163 139 127 116 94 10 336 330 328 325 320 307 304	233 203 160 134 121 112 98 13 320 313 308 302 293 284 275	204 179 152 134 127 126 151 228 250 260 270 267 257 227 206	128 133 141 154 170 184 190 200 187 172 162 160	100 115 144 174 186 187 183 173 148 185 219 246 280 12 45	3 3 2 2 2 2 2 2 2 2 2 2 3 3 4 4 4 4 5	6 6 5 4 3 2 1 2 3 4 4 4 4 4 5 5 7 7	3 4 5 6 6 6 7 8 9	3 3 2 2 3 3 4 4 5 5 6 7 8 8 9 9	5 4 3 2 3 4 4 4 3 4 5 6 8 7 6 6	3 2 2 1 2 2 2 2 2 2 2 2 2 3 3 4 4 4	2 1 0 1 2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 4 4 4 4 4	203 211 228 241 243 236 223 210 209 212 214 216 216 215	206 212 225 236 228 188 142 128 126 127 135 144 147 144	220 221 219 208 185 160 138 127 125 130 137 134 124 118	194 201 210 206 192 178 164 155 151 156 156 151 144 137	118 131 167 197 202 197 185 168 158 163 174 179 176 166 147	81 83 101 135 148 180 162 177 167 159 139 149 174 172 143 143	300 288 140 133 133 130 124 123 138 157 159 148 131

N HEMISPHERE	AMPLITUBE (0.12) AND PHASE	DEGREES LONGITUBE E) OF WAVES 1 AND 2 OF BENSITY/(ZBNAL HEAN BENSITY) - 1

KM LAT=	WAVE 20									PHAS							AMPL					UAVE 2 20 30				BODES
SEPTEMBE	R																									
18 20 24 28 32 36 40 48 52 56 60 64 68 72 76 80 OCTOBER	9	9 8 7 6 5 5 6 6 6 6 6 5 5 5 6 6 6 6 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 7 6 6 6 6 5 5 5 5 5 3 1 1 4 6 8 8	7 7 6 6 6 6 6 6 6 5 5 5 4 4 5 6 6 6 6	3 3 4 6 7 7 7 8 8 8 9 9 7 6 5 5 4	4 3 2 4 7 8 8 7 7 7 6 4 3 2 3 4	3 2 0 2 4 6 5 3 1 1 1 2 4 4 4 4 4 4 4	142 153 174 199 215 220 217 208 198 194 207 225 238 243	156 164 181 205 222 230 228 222 213 213 227 240 246 247	209 208 205 200 197 200 204 211 212 204 201 242 249 250 251 255	244 238 225 206 191 182 178 174 164 145 146 170 204 222 232	183 219 237 238 228 208 182 142 145 131 132 143 164 185	129 188 248 253 247 230 198 167 146 131 124 128 146 152	75 66 257 256 256 255 244 200 134 67 348 332 326 330 348	4 3 2 1 1 2 2 3 3 3 3 2 2 2 2 3 3 4 5 5 5 5	3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3 4 3 4 4 5 5	7 6 5 4 3 2 1 0 1 2 4	10 10 9 7 6 5 4 4 4 5 5 5 5 5 4 4 4 4 5 5 5 5 5 6 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	8 8 7 6 5 4 4 4 4 4 5 5 5 5 5 4 2 1 2 1 1	3 3 2 2 1 0 1 1 1 2 2 2 3 3 3 4 3	1 2 342 0	337 45 345 34 354 14 1 344 5 318 9 298 13 248 17 152 17 162 17 86 15 92 17 17 86 24 101 30 103 35 104	49 39 19 348 313 280 247 220 201 184 171 161 151 142 130	47 39 23 357 320 282 255 232 214 199 196 197 200 205 212	19 14 1 303 210 186 178 182 215 237 250 256 260
18 20 24 28 32 36 40 44 48 52 56 60 64 68 80	; 5 3 4 5 6 7 8 11 12 13 13 12	12 10 8 5 3 6 8 9 10 13 15 17 19	8 10 11 9 7 11 16 21 24 27 31 33 35 35 35	13 16 19 20 24 36 48 55 62 69 74 74 69 63 57	83 93 100 109 110 106 98 89 79	20 23 28 32 42 69 92 101 107 316 113	61 62 65 63 60 57 55	143 149 159 185 235 267 283 292 295 294 296 301 309 314	154 164 181 206 249 309 346 359 2 358 358 360 3 4	165 116 94 84 79 76 73 67 58	314 287 259 225 178 146 128 118 112 107 102 97 91 85	342 309 276 241 194 160 142 134 128 123 118 114 110 108	354 323 287 252 202 167 151 143 135 128 123 120 120 121 125	348 327 298 262 203 167 153 146 138 131 126 123 122 123 124	4 3 1 0 2 3 3 3 3 2 2 2 1 1 1 2 4 5 5 5 3	3 1 1 3 3 3 3 2 2 2 2 2 3 4 4 4	5 4 3 3 3 4	8 10 12 14 13		8 9 11 14 15 16 17 18 17 15 15 15 14 12 11 11	55566788778888863	17 17 7 11	18 53 5 30 354 3 343 344 336 332 329 322 311 319 303 316 298 319 294 319 284 323 284 330 296 334 322 339 336	37 24 6 351 341 331 317 306 296 267 255 249 254 273	13 11 5 359 352 338 319 306 292 272 257 253 258 271 286	358 2 4 2 354 339 322 308 297 294 295 301 307 311 314
18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76	14 14 11 7 3 2 7 11 14 18 22 23 20 15 10 6	26 20 15	15 16 16 19 27 35 37 36 35 35 38 33 27 21	27 26 29 45 66 29 80 28 26 80 83 83 77 69	27 29 34 48 77 107 126 131 129 130 138 140 134 122 108 93 79	25 30 56 89 118 132 130 130 135 135 125 115 103 91	13 18 40 63 84 83 80 75 70 64 59 52 40	134 147 163 182 352 5 11 12 10 7 8 8 9 5 352	171 179 182 163 77 57 53 49 41 32 30 27 25 18	254 251 237 210 1142 125 116 111 103 92 82 77 75 73 68 57	309 286 243 206 184 170 162 158 155 149 131 125 120 116	324 294 254 224 203 190 181 176 171 164 156 148 142 #35 130	347 301 255 232 214 198 188 182 178 171 163 156 150 244 139	354 298 254 235 219 202 191 185 181 174 167 160 154 149	5 4 2 2 2 2 2 2 2 2 3 3 1 2 3 3 1		9	15 15 14 16 19 19 17 12 8 4 4 6 6 5 3 2 2	15 16 19 22 25 26 25 21 16 11 9 9 9 9 8 8	10 11 15 18 20 22 24 22 18 14 14 13 14 15 16 16	6 6 7 7 7 9 11 10 9 9 8 7 6 6 7 7	75 78 50 53 306 21 292 6	36 54 15 31 346 369 319 337 295 321 268 306 233 286 192 266 147 225 110 148 96 153 72 166 44 192 30 249	45 27 8 355 349 344 334 327 323 325 308 295 287 298 297	17 11 13 15 9 358 351 348 344 333 324 322 323 327	38 40 28 15 11 13 9 3 350 337 324 317
DECEMBER 18 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80	18 18 13 6 1 6 9 11 12 12 13 13 12 11 11	16 18 18 19 14 9 11 18 23 26 28 30 33 32 30 33 33 33 33		49 36 48 77 99 105 91 84 83 76 65 44	75 61	116 135 134 125 116 107 107	18 14 12 45 68 77 77 41 68 67 58 67 58	146 757 153 65 6 8 11 13 10 4 356 346 333 319	192 192 184 154 88 60 48 41	73 61 51 38 26 16	339 298 236 204 181 161 143 129 118 108 99 90 62 74 66	1 304 238 214 197 181	23 296 238 218 202 186 173 164 157 148 141 136 632 130	56 279 238 221 206 190 179 172 167 162 157 152 149 147	5 4 2 2 3 3 4 5 5 5 5 5 6 6 6	10 9 5 3 4 4 8 11 13 14 14 14 15 16	12 11 7 6 8 10 15 21 25 28 30 30 30 30 30 31 32 34	13 13 12 14 20 29 35 37 36 35 32 30 28 28 29 32	15 17 20 26 35 47 51 46 39 34 31 27 23 22 22 24 27	9 1: 18 26 36 4: 38 32 27 23 22 21 20 20 21 22	7 8 12 14 13 13 13 13 14 15 16 16 17	270 291 274 293 303 315 12 25 31 49 24 33 0 351 321 317 301 304 296 302 301 302 307 304 313 308 313 313 314 319 318 326	342 33 359 33 42 37 46 35 21 24 355 11 339 2 332 355 332 357 333 344 333 347 333 354 333 354	45 35 34 36 32 23 15 8 4 0 357 357 2 9	35 44 47 40 25 9 358 353 347 348	351 32 56 54 36 6 343 334 334 338 343 343 343 343 359

N HERISPHERE	AMPLITUDE (0.1%) AND PHASE	CHEGREES LINGITURE ET DE HAVES	1 AND 2 OF REMSITY/(70MA) MEAN DEMSITY) - 1	

KM LAT=	-	_	AMPL 40		-					PHA9				80			AMPL 40					UAVE 2 PHASE (DEGREES) 20 30 40 50 60 70 80DEG
JANUARY																						
18 20 24 28 32 36 40 44 48 55 56 66 68 72 76 80	11 11 9 6 2 2 4 6 7 7 8 8 8 8 8 8 8	10 11 13 13 11 7 7 13 18 22 25 26 24 21 19 17	22 19 15 25 36 29 24 29 36 44 47 44 39 36 32 33	27 15 42 72 88 87 74 63 59	117 148 156 145 128 112 103	49 11 27 132 162 169 163 150 134	102 106 108	164 165 165 158 7 359 357 356 354 352 351 350 349	212 197 185 170 137 67 35 25 20 18 16 14 11 5	50 43 41 39 38	339 261 202 187 177 166 149 130 111 94 83 74 68 65 66	358 249 195 186 179 163 154 143 133 124 117 115 119	259 195 188 182 176 168 159 151 143 135 143 159	14 261 198 190 184 178 170 161 154 150 146 145 145 147	5 4 2 1 2 3 3 4 4 5 5 5 5 6 6 6 6 6 6 5 5	7 6 3 4 7 9 11 12 13 13 14 16 16 15 13 11	2 3 5 10 16 22 26 27 26 27 26 27 24 21 19 17 18	19 19 21 27 38 47 50 45 39 35 36 37 35 31 27 23 21	30 37 50 63 70 69 57 46 39 36 34 31 28 25 22	15 18 31 47 59 63 58 40 33 27 22 17 14 12	5 7 14 20 23 23 21 18 16 16 16 16 16 16 17 8	275 265 56 72 68 68 44 275 267 50 66 61 55 39 294 293 28 42 38 30 30 2 2 12 19 19 20 26 25 12 360 4 8 13 21 14 359 350 354 1 8 15 351 342 341 346 354 1 6 322 325 332 339 347 352 350 305 313 325 333 342 344 346 294 302 316 327 337 338 357 282 290 306 320 329 335 11 271 281 304 311 316 333 17 256 271 303 304 302 302 333 15 243 241 304 292 251 310 297 297 338 6 229 251 310 287 278 342 323 218 255 312 288 275 338 306
18	11	,	15	25	23	32	21	141	201	309	337	11	3.4	T1	9	5	8	20	13	10	20	357 292 34 43 79 44 334
20 24 28 32 36 40 44 48 55 56 60 64 64 68 72 76 80	11 8 5 2 1 1 1 0 1 3 4 4 2 1 1	7 8 9 8 7 5 5 5 6 10 14 16 16 13 10 6	15 14 17 22 25 24 20 19 20 25 30 30 29 24 17	23 22 33 51 62	19 22 55 88 101 105	24 18 65 98 115 117 105 97 93 85 76 60 40 20	12 46 67 77 80 73 70 65 59 54 47 39 28 19	163 161 159 149 122 95	200 198 191 182 166 138 112 83 53 38 45 54 64 74	302 266 225 198 180 158 137 113 94 83 84 86	328 281 238 212 194 177 160 145 132 124 117 110 101 89 73	353 266 233 215 203 189 176 162 151 141 131 121 108 86 42	25 250 223 214 206 198 186 173 161 151 142 135 128 116 44	24 251 220 213 206 198 189 181 173 169 166 164 165 167	14 6 7 6 3 3 5 2 4 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7 7 5 11 5 4 4 3 5 1 10 10 9 16		25 16 23 36 30 19 13 13 10 8 9 11 15 18 20	15 39 50 49 66 51 35 25 17 14 14 16 16 24 21 30	19 27 39 44 44 38 24 16 11 10 9 10 8 12	23 13 12 16 17 18 11 15 17 15 15 15 14 13	28 320 334 36 70 39 333 262 127 133 37 38 19 35 131 346 3 22 24 18 54 145 345 10 17 15 27 37 119 26 23 11 12 16 349 165 195 11 360 4 12 321 312 51 128 27 15 345 278 306 10 84 44 355 331 286 331 46 131 62 5 312 281 12 312 48 57 356 305 273 336 79 142 75 2 299 281 69 8 113 78 8 299 275 1 88 118 74 2 318 296 68 86 118 74 14 312 282 66 82 92 43 1 336 311 34 86 115 62 13 319 287
MARCH																						
18 20 24 28 32 36 40 44 48 52 52 56 60 64 68 80	10 10 8 5 2 1 2 3 4 5 6 7 7 6 4 4 5	9 9 11 11 8 4 4 9 13 15 17 20 20 19 16 14	12 10 12 21 26 23 18 19 24 29 32 36 37 36 34 33 32	68	31 25 25 69 107 117 105 82 69 64 65 59 50 42 37 34 32	17 32 79 116 128	11 8 27 78 84 78 57 42 33 27 17 5 9 19 24 27	151 159 171 193	178 190 196 196 177 64 45 38 32 24 24 27 31 34 34	61 56 50 43	355 284 233 216 203 186 161 134 115 102 87	359 266 231 220 211 200 184 165 147 132 115	241 224 218 212 205 194 180 163 148 130 104 69 35	303 226 217 214 212 209 205 196 183 172 162	3 3 1 1 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2	0 0 1 2 3 4 4 4 4 4 4 4 4 4 4 5 5	11 10 7 6 8 7 6 6 8 8 7 7 7 7 8 8 9 9	27 26 21 16 16 14 10 8 10 12 10 9 10 10 11	37 37 33 28 25 21 17 14 13 13 10 6 6 8 9	33 33 30 26 23 20 17 14 12 11 10 8 9 11 12 12 13	15 14 13 11 9 9 9 9 10 12 12 13 13	284 202 81 67 47 38 28 288 228 78 64 43 35 26 313 14 57 47 31 23 17 34 22 20 18 13 11 7 62 28 0 358 4 7 9 65 33 1 355 5 6 11 17 64 37 17 55 42 50 42 304 30 18 50 42 304 30 30 30 30 30 30 30 30 30 30 30 30 30
APRIL																					_	
18 20 24 28 32 36 40 44 48 52 54 60 64 68 72 72	7 6 5 3 2 3 3 4 5 5 6 6 6 7 7 7	13 12 9 6 4 5 6 6 5 5 6 6 7 7 7 6 6	10 10 11 11 10 6 5 6 8 8 8 8 8 8 9	20 19 16 18 20 16 10 2 5 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	23 23 20 20 24 25 21 14 8 4 1 3 7 9 9	14 14 14 18 21 21 19 15 12 9 8 9 10 11 12 12	2 3 4 7 10 12 13 12 10 9 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	141 146 158 191 219 227 213 214 219 224 225 223	160 165 180 218 257 271 272 267 259 250 246 242 238 236 241		290 263 228 208 199 198 215 1 1 348 325 303 287 273 266	300 278 241 213 199 190 162 134 98 286 272 260 248 237	287 271 243 217 200 188 179 171 166 168 199 205 203 197	254 243 233 221 209 198 186 177 168 178 189 198 203 206	2 2 1 1 2 2 2 2 2 1 1 2 3 3 3 3	3 3 1 1 1 3 4 4 4 4 4 3 3 3 2 3 3 3 3 1 1	66545553222223332	9 9 8 6 6 5 5 3 2 2 2 3 5 6 8 8 7	11 11 9 6 3 2 1 1 2 2 3 3 3 3 4 5 5 5 5 5 5	8 7 6 4 2 2 3 3 2 2 2 2 2 1 1 1 1	3 3 2 1 1 1 1 1 0 1 2 4 5 6 4	212 198 137 104 40 37 31 211 175 135 102 57 37 32 172 167 115 74 57 41 38 81 77 80 76 56 47 55 48 53 53 47 33 84 74 40 46 41 30 48 145 144 33 43 36 17 51 158 167 27 43 37 17 48 161 187 23 48 44 25 73 156 201 17 47 45 43 78 155 206 7 30 33 45 76 152 178 10 35 77 10 41 10 175 14 337 5 347 36 140 173 17 340 8 341 12 130 174 25 352 17 337 355 107 175 36 121 27 347 346 45 177